

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100319\
 Data File : VN058510.D
 Acq On : 3 Oct 2019 15:21
 Operator : JC/SP
 Sample : VN1003WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 9:30:23 AM

Quant Time: Oct 04 04:41:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	314053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	539933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	482277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	220665	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	228748	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
35) Dibromofluoromethane	7.58	113	164451	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	10.09	98	627186	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
62) 4-Bromofluorobenzene	12.41	95	219889	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	64482	18.725	ug/l	98
3) Chloromethane	2.03	50	77684	20.520	ug/l	99
4) Vinyl Chloride	2.17	62	74716	20.147	ug/l	99
5) Bromomethane	2.55	94	40573	20.597	ug/l	91
6) Chloroethane	2.69	64	46930	21.119	ug/l	99
7) Trichlorofluoromethane	3.00	101	88612	19.800	ug/l	98
8) Diethyl Ether	3.39	74	36383	18.842	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	61386	20.197	ug/l	99
10) Methyl Iodide	3.93	142	60603	17.982	ug/l	99
11) Tert butyl alcohol	4.76	59	55676	109.202	ug/l #	81
12) 1,1-Dichloroethene	3.72	96	57249	19.324	ug/l	97
13) Acrolein	3.59	56	14687	90.571	ug/l	96
14) Allyl chloride	4.30	41	103273	19.155	ug/l	98
15) Acrylonitrile	4.96	53	158934	106.961	ug/l	99
16) Acetone	3.80	43	167041	106.771	ug/l	99
17) Carbon Disulfide	4.03	76	143179	18.334	ug/l	98
18) Methyl Acetate	4.30	43	77774	19.765	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	203995	19.515	ug/l	99
20) Methylene Chloride	4.53	84	71479	19.798	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	63919	19.402	ug/l	99
22) Diisopropyl ether	5.93	45	230968	19.907	ug/l	93
23) Vinyl Acetate	5.87	43	921895	105.382	ug/l	99
24) 1,1-Dichloroethane	5.83	63	134724	20.633	ug/l	99
25) 2-Butanone	6.82	43	230856	107.476	ug/l	99
26) 2,2-Dichloropropane	6.81	77	104247	19.420	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	76028	19.745	ug/l	99
28) Bromochloromethane	7.18	49	58771	22.517	ug/l	94
29) Tetrahydrofuran	7.19	42	141972	104.138	ug/l	99
30) Chloroform	7.36	83	135431	20.468	ug/l	95
31) Cyclohexane	7.64	56	123155	19.390	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	109516	20.156	ug/l	98
36) 1,1-Dichloropropene	7.78	75	98857	19.148	ug/l	98
37) Ethyl Acetate	6.91	43	91577	20.921	ug/l	99
38) Carbon Tetrachloride	7.76	117	90804	19.485	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	112294	18.625	ug/l	97
40) Benzene	8.03	78	292026	19.678	ug/l	100
41) Methacrylonitrile	7.15	41	37086	18.417	ug/l	92
42) 1,2-Dichloroethane	8.11	62	112351	19.459	ug/l	99
43) Isopropyl Acetate	8.15	43	152095	18.478	ug/l	99
44) Trichloroethene	8.82	130	70585	19.263	ug/l	97
45) 1,2-Dichloropropane	9.11	63	79518	19.979	ug/l	99
46) Dibromomethane	9.20	93	49731	19.730	ug/l	98
47) Bromodichloromethane	9.39	83	99396	20.813	ug/l	99
48) Methyl methacrylate	9.19	41	72863	19.440	ug/l	99
49) 1,4-Dioxane	9.19	88	25462	508.061	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	465799	110.169	ug/l	98
52) Toluene	10.15	92	177940	19.049	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	101772	19.579	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	115763	20.063	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	69958	20.569	ug/l	97
56) Ethyl methacrylate	10.43	69	101553	19.677	ug/l	99
57) 1,3-Dichloropropane	10.71	76	123766	20.401	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	207621	100.888	ug/l	98
59) 2-Hexanone	10.75	43	336146	109.186	ug/l	99
60) Dibromochloromethane	10.90	129	66403	18.505	ug/l	100
61) 1,2-Dibromoethane	11.00	107	69077	19.876	ug/l	100
64) Tetrachloroethene	10.63	164	57496	18.765	ug/l	96
65) Chlorobenzene	11.44	112	184974	19.295	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	63777	19.746	ug/l	99
67) Ethyl Benzene	11.51	91	341428	19.663	ug/l	98
68) m/p-Xylenes	11.63	106	246057	37.663	ug/l	97
69) o-Xylene	11.95	106	119216	18.956	ug/l	98
70) Styrene	11.97	104	198323	19.411	ug/l	99
71) Bromoform	12.13	173	38775	17.825	ug/l #	98
73) Isopropylbenzene	12.25	105	327650	20.092	ug/l	100
74) N-amyl acetate	12.08	43	120777	18.616	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	102951	21.349	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	83497m	20.716	ug/l	
77) Bromobenzene	12.53	156	72083	18.851	ug/l	96
78) n-propylbenzene	12.60	91	376227	20.478	ug/l	99
79) 2-Chlorotoluene	12.68	91	224945	19.836	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	278082	20.371	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	23220	17.497	ug/l	87
82) 4-Chlorotoluene	12.78	91	221532	19.145	ug/l	99
83) tert-Butylbenzene	13.00	119	233141	20.240	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	270452	19.774	ug/l	99
85) sec-Butylbenzene	13.18	105	312300	20.598	ug/l	99
86) p-Isopropyltoluene	13.30	119	271826	20.368	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	131958	19.032	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	128910	18.687	ug/l	97
89) n-Butylbenzene	13.62	91	241268	19.957	ug/l	99
90) Hexachloroethane	13.88	117	41578	20.735	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	131319	19.712	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	17137	20.152	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	69100	18.770	ug/l	99
94) Hexachlorobutadiene	15.02	225	38862	20.538	ug/l	99
95) Naphthalene	15.14	128	185616	17.198	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	68784	18.621	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

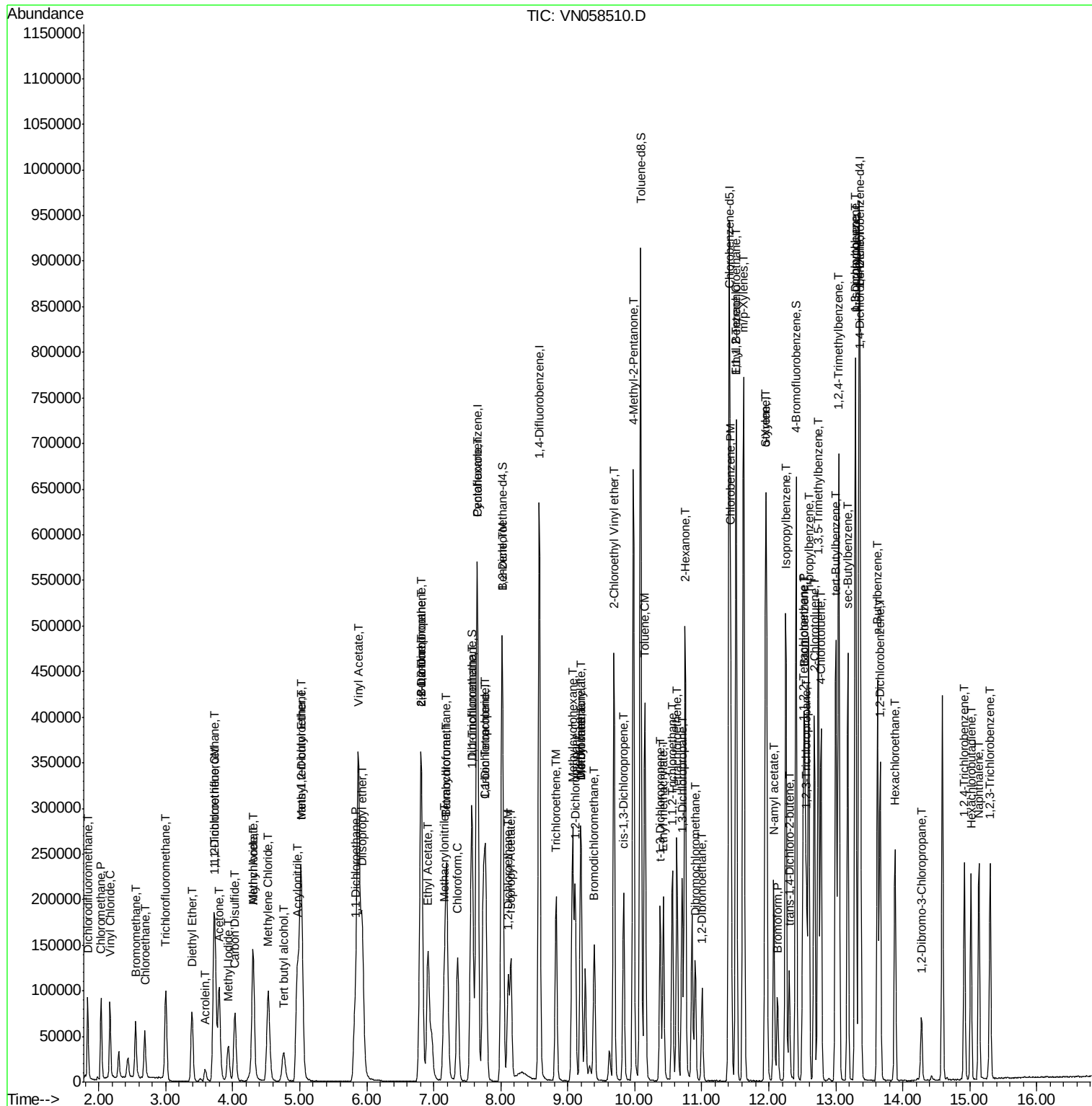
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Data File : VN058510.D
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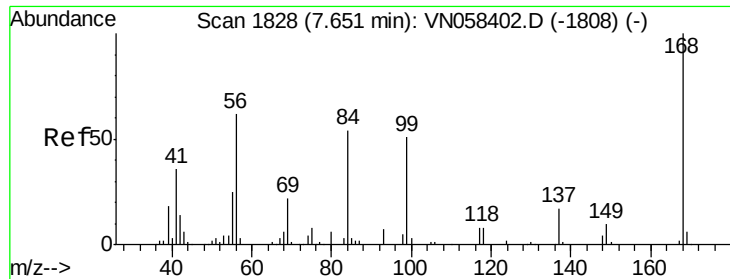
Instrument :
MSVOA_N
Client Sample Id :
VN1003WBSD01

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN1003WBSD01

Tot Ion:168 Resp: 314053

Ion Ratio Lower Upper

168 100

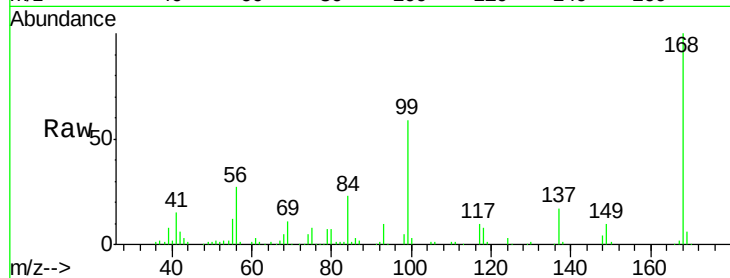
99 58.8 47.7 71.5

Manual Integrations

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10/4/2019 9:30:23 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

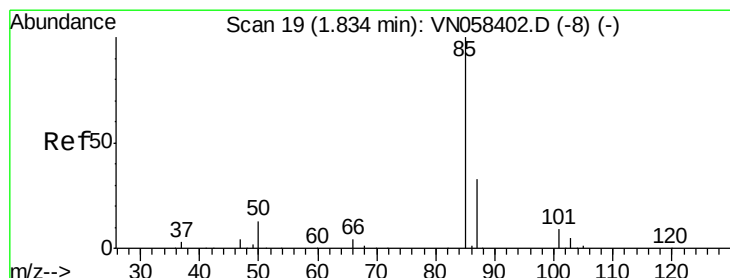
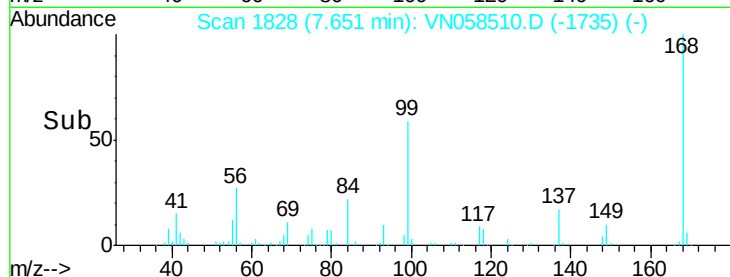
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.725 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058510.D

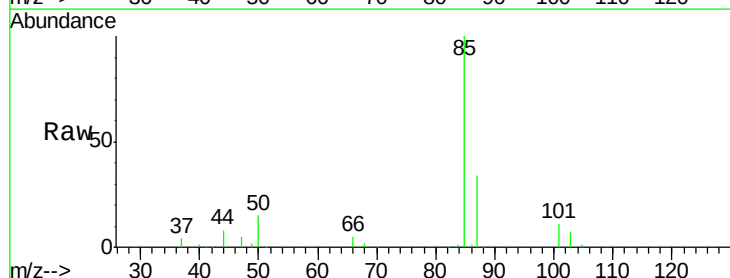
Acq: 3 Oct 2019 15:21

Tgt Ion: 85 Resp: 64482

Ion Ratio Lower Upper

85 100

87 34.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

30000

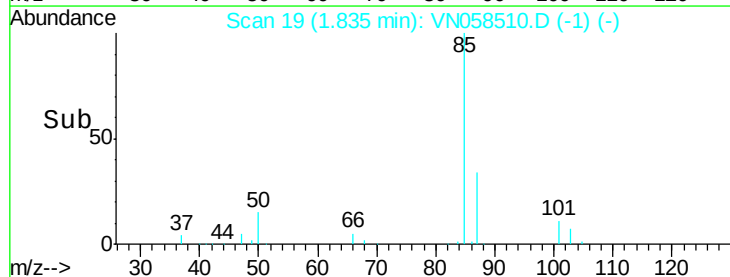
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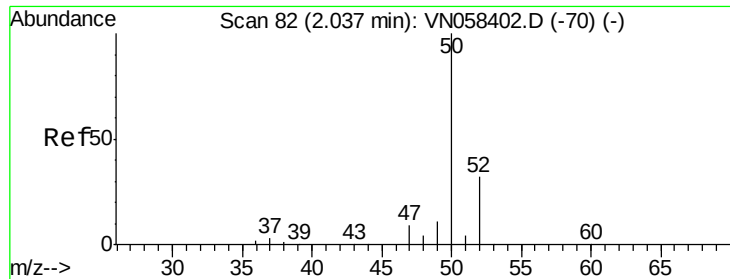
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 20.520 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN1003WBSD01

Tot Ion: 50 Resp: 77684

Ion Ratio Lower Upper

50 100

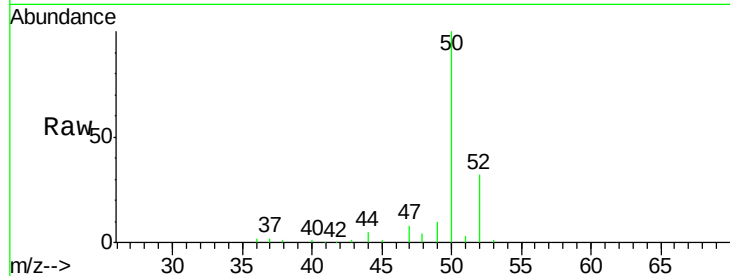
52 31.8 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

60000

50000

40000

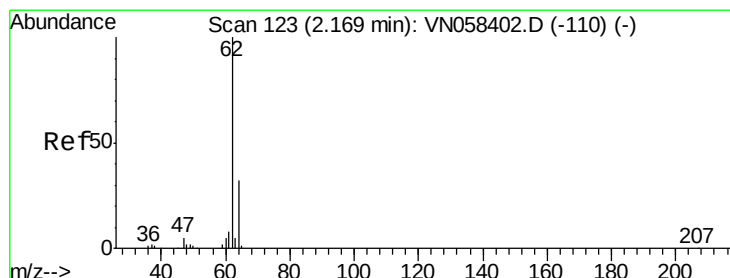
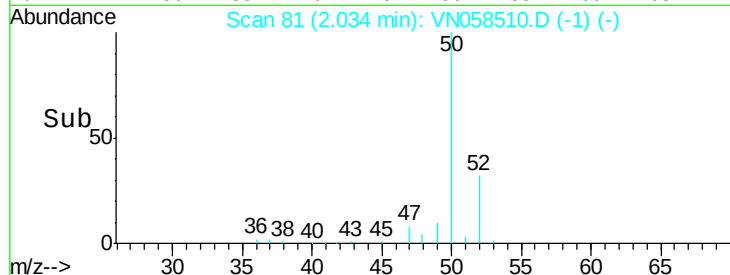
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 20.147 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058510.D

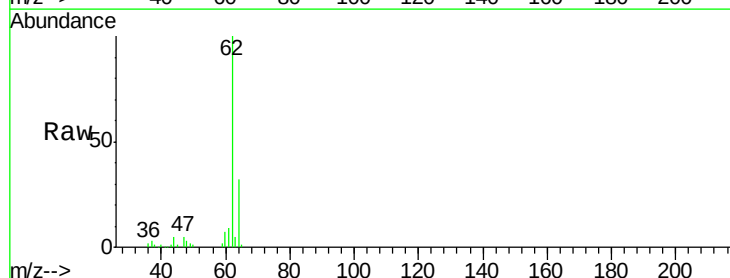
Acq: 3 Oct 2019 15:21

Tgt Ion: 62 Resp: 74716

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

50000

40000

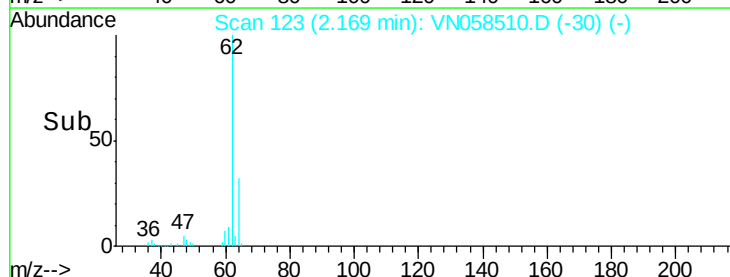
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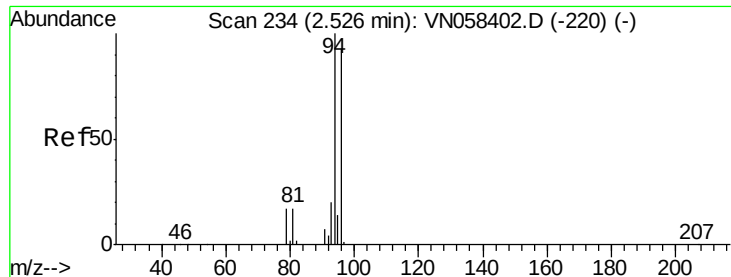
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10000

0

Time-->





#5

Bromomethane

Concen: 20.597 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.03 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN1003WBSD01

Tot Ion: 94 Resp: 40573

Ion Ratio Lower Upper

94 100

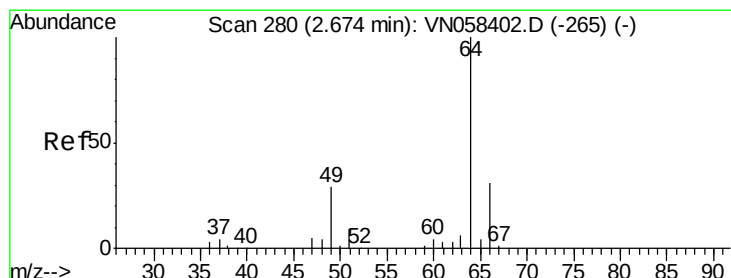
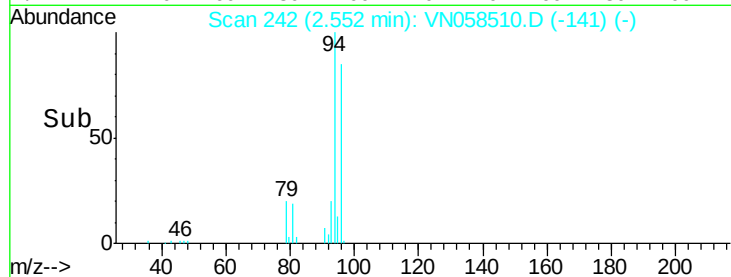
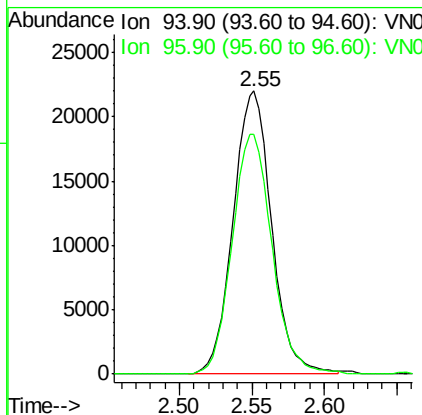
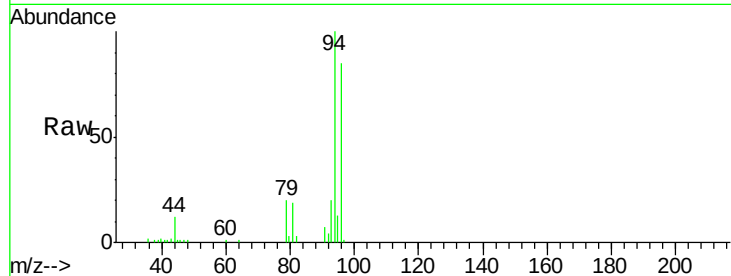
96 84.6 74.8 112.2

Manual Integrations

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10/4/2019 9:30:23 AM



#6

Chloroethane

Concen: 21.119 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058510.D

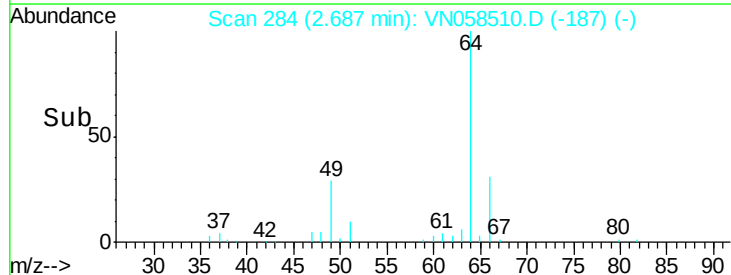
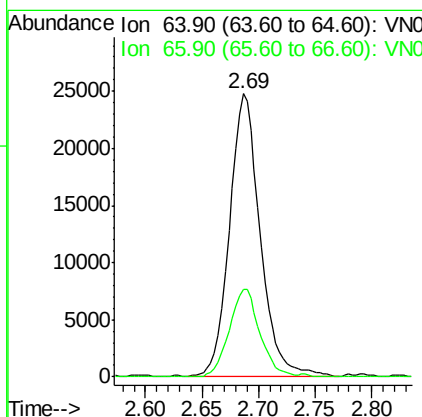
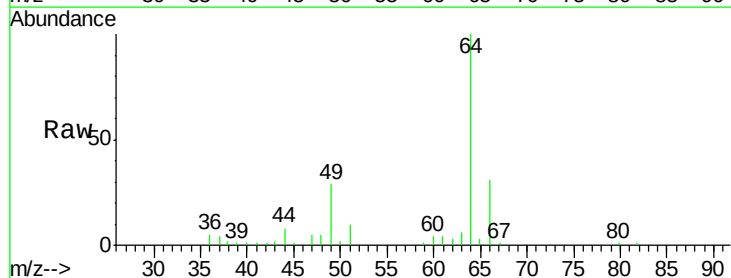
Acq: 3 Oct 2019 15:21

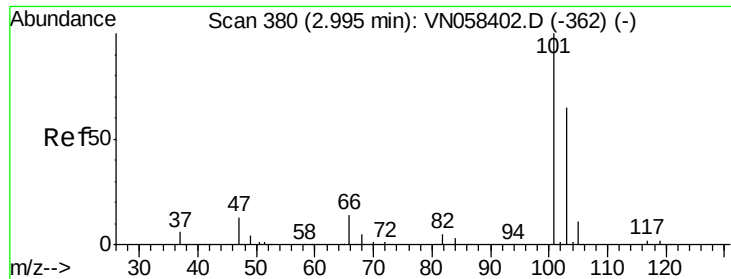
Tgt Ion: 64 Resp: 46930

Ion Ratio Lower Upper

64 100

66 30.9 24.4 36.6





#7

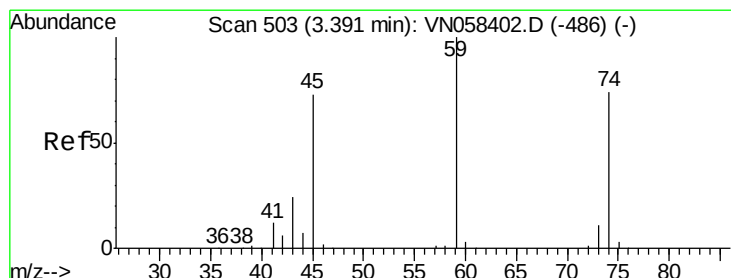
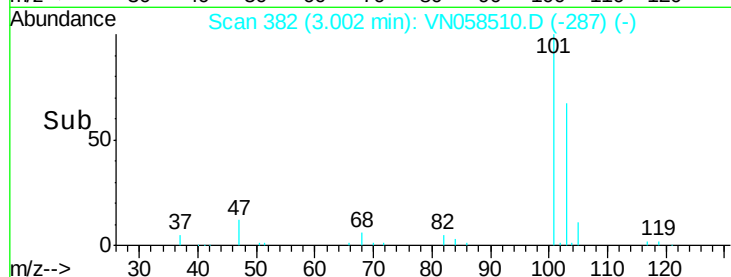
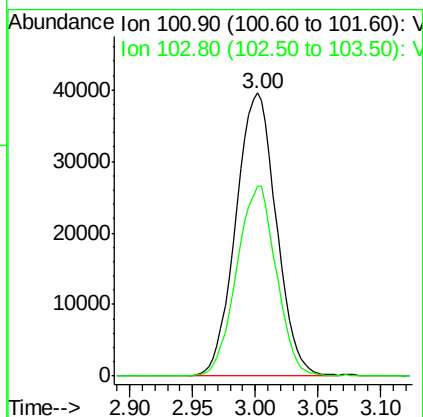
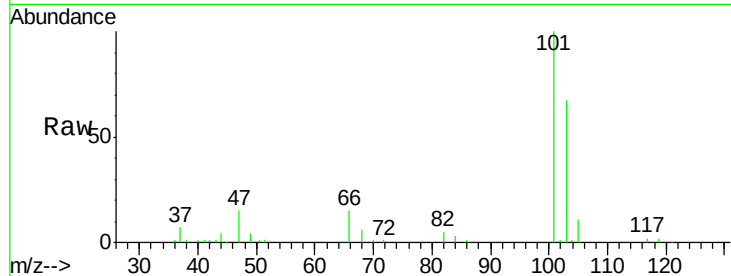
Trichlorofluoromethane
 Concen: 19.800 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Instrument :
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Tot Ion	101	Resp	88612
Ion Ratio	100	Lower	Upper
101	100		
103	67.3	52.3	78.5

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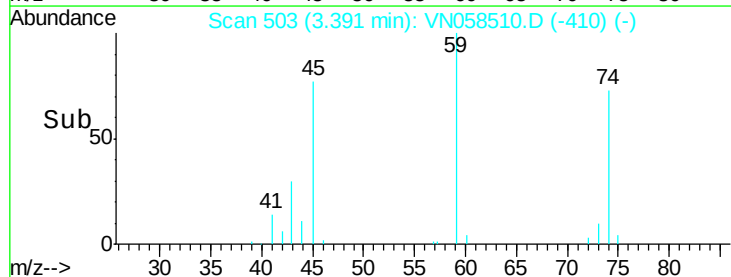
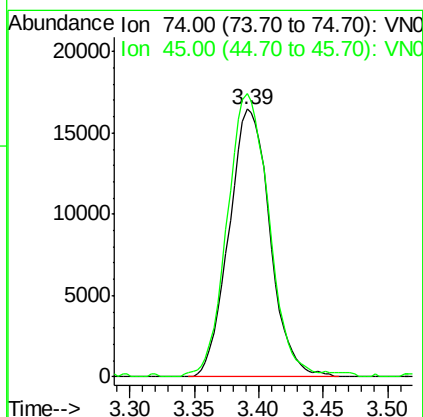
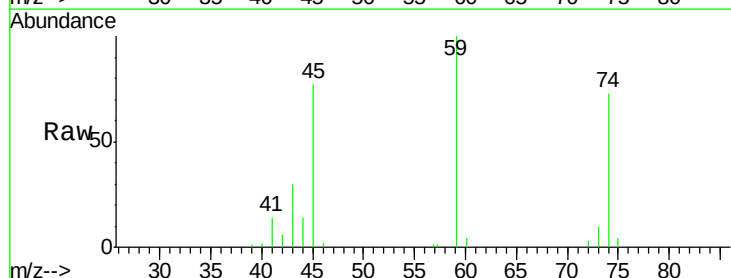
MMDadoda
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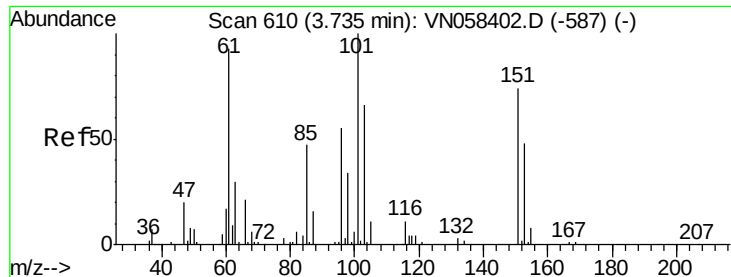


#8

Diethyl Ether
 Concen: 18.842 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Tgt Ion	74	Resp	36383
Ion Ratio	100	Lower	Upper
74	100		
45	108.8	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.197 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058510.D

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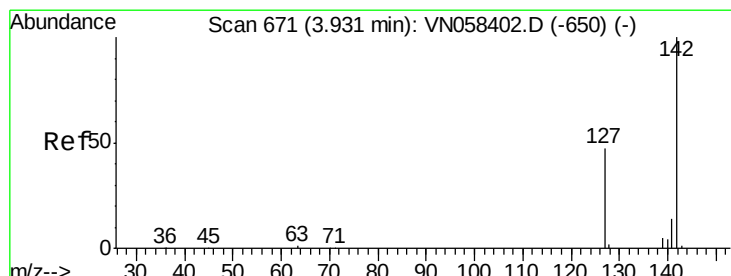
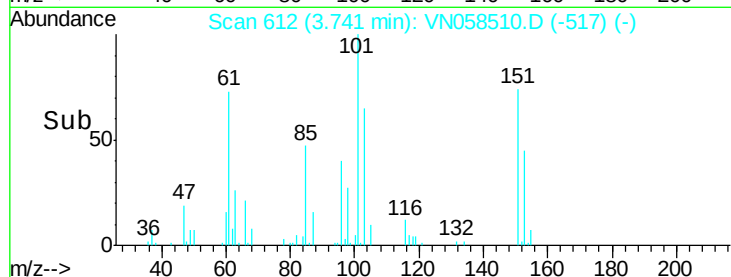
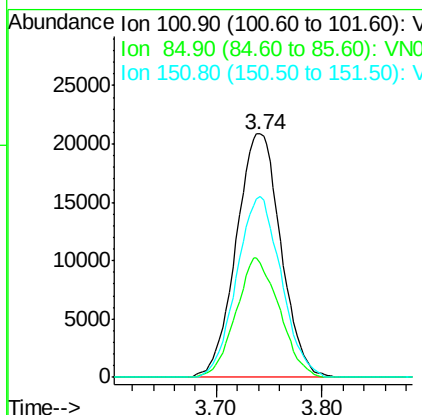
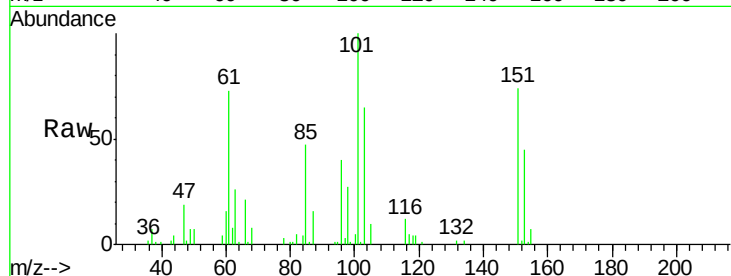
ClientSampleId :

VN1003WBSD01

Tot Ion:	101	Resp:	61386
Ion Ratio	Lower	Upper	
101	100		
85	47.6	36.7	55.1
151	74.0	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 17.982 ug/l

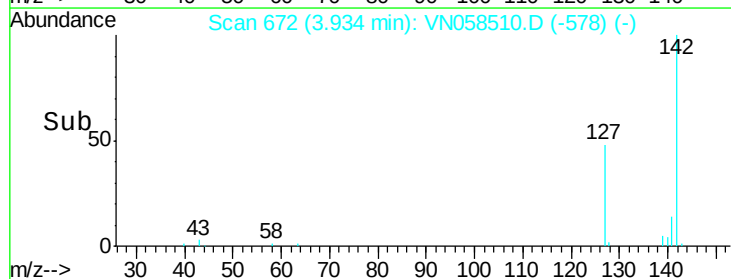
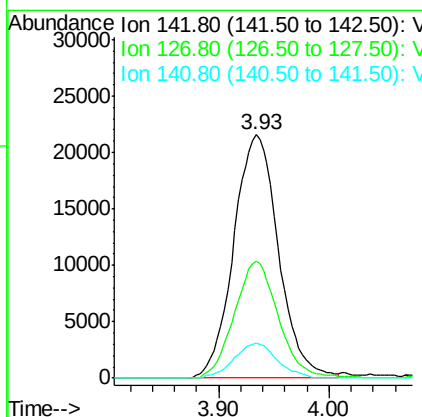
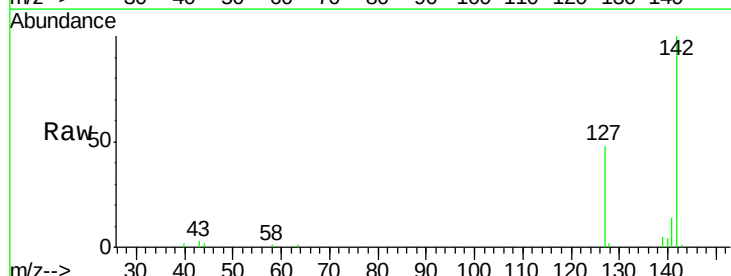
RT: 3.93 min Scan# 672

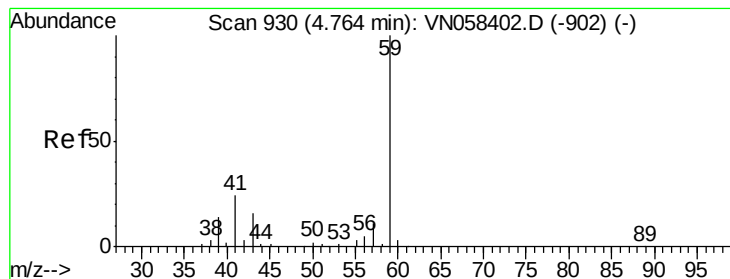
Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Tgt Ion:	142	Resp:	60603
Ion Ratio	Lower	Upper	
142	100		
127	47.0	37.2	55.8
141	13.8	11.3	16.9





#11

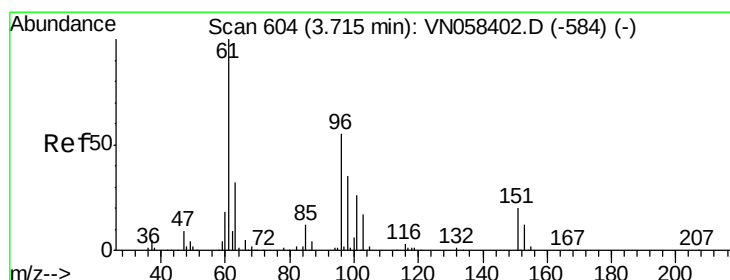
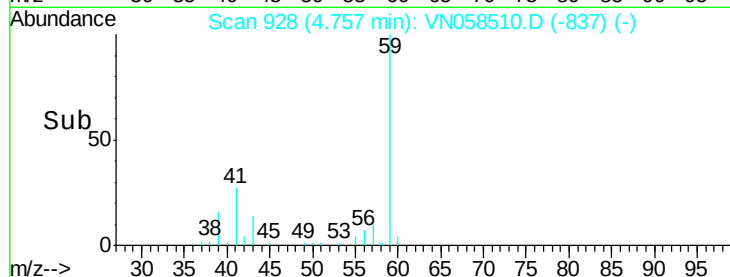
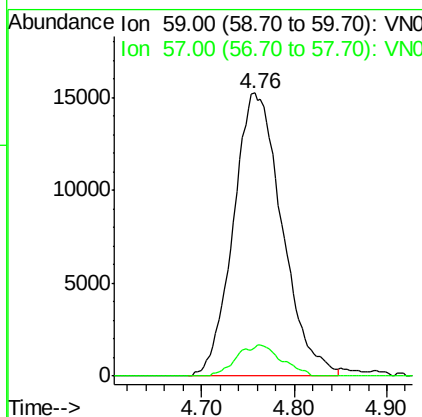
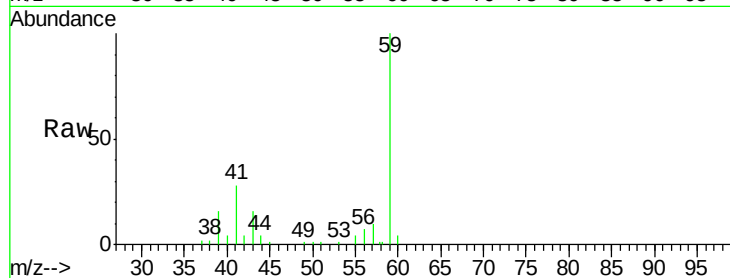
Tert butyl alcohol
 Concen: 109.202 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.0	9.0	13.4#

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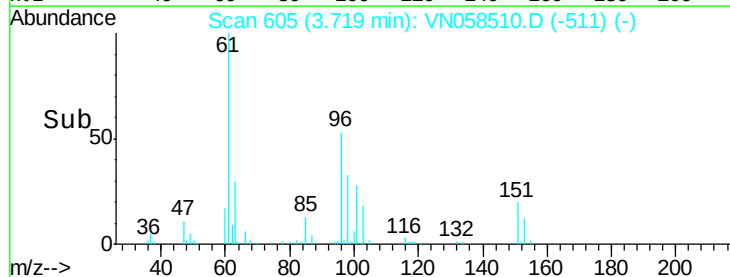
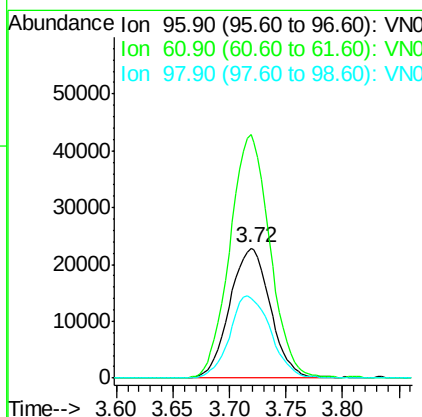
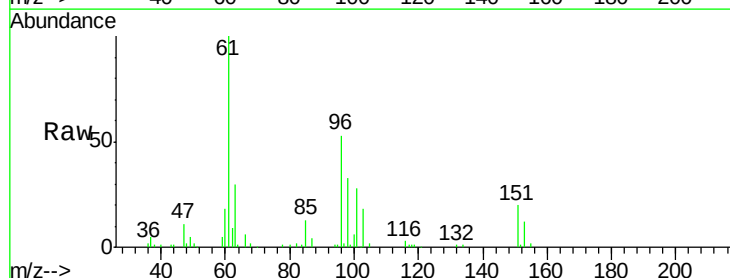
MMDadoda
 10/4/2019 9:30:23 AM

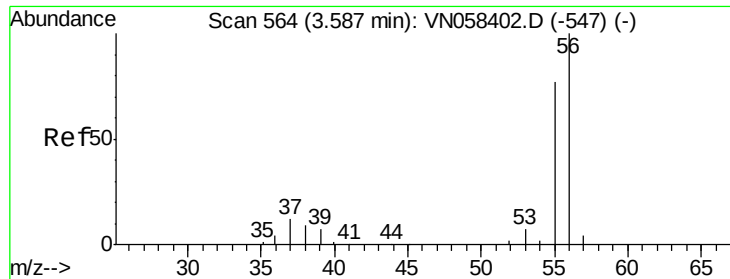


#12

1,1-Dichloroethene
 Concen: 19.324 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.6	146.7	220.1
98	61.9	51.3	76.9





#13

Acrolein

Concen: 90.571 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN1003WBSD01

Tot Ion: 56 Resp: 14687

Ion Ratio Lower Upper

56 100

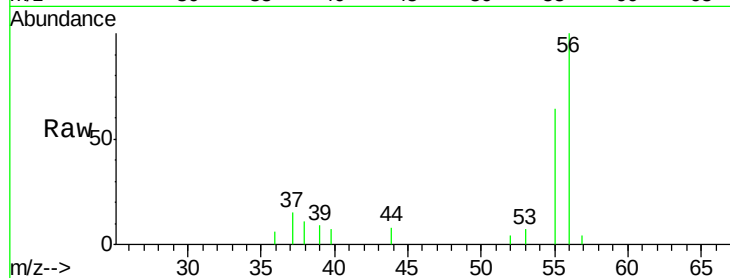
55 69.3 58.3 87.5

Manual Integrations

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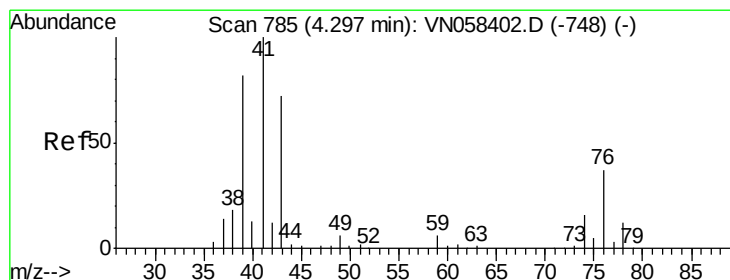
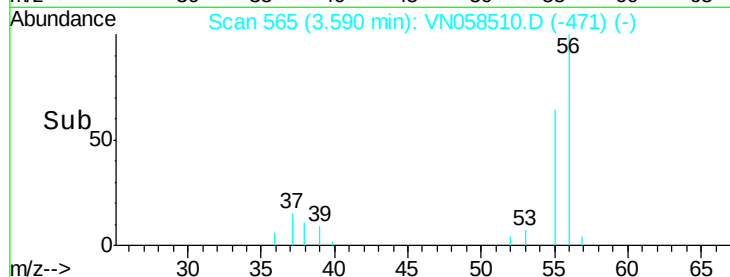
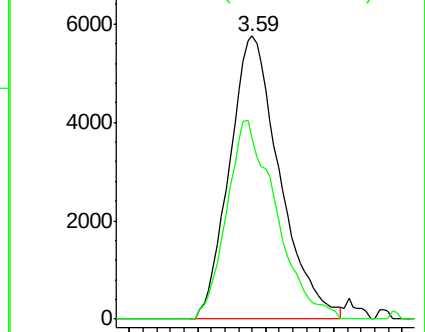
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.155 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.01 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

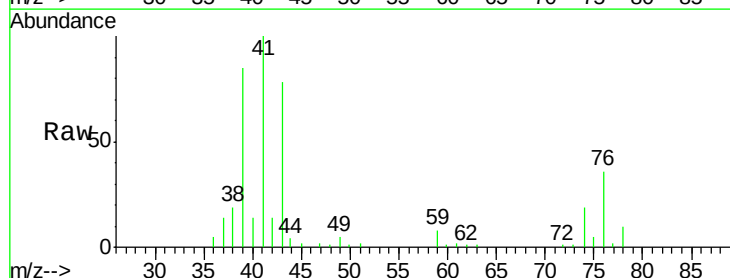
Tgt Ion: 41 Resp: 103273

Ion Ratio Lower Upper

41 100

39 80.1 62.3 93.5

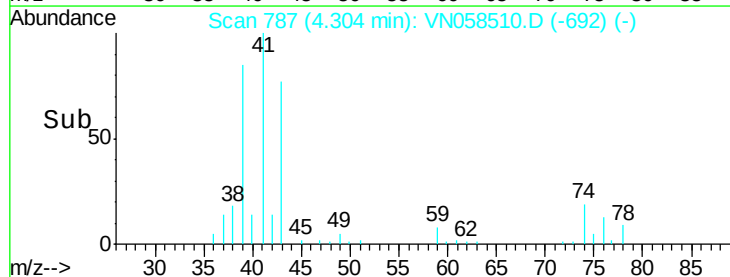
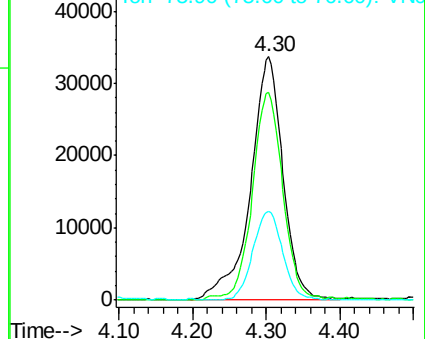
76 33.4 26.9 40.3

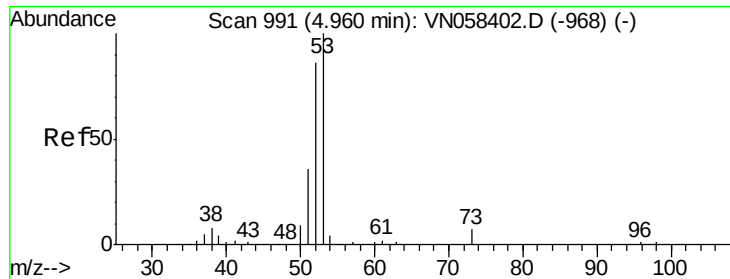


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 106.961 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

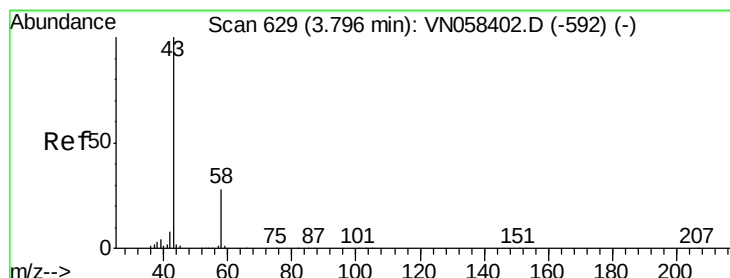
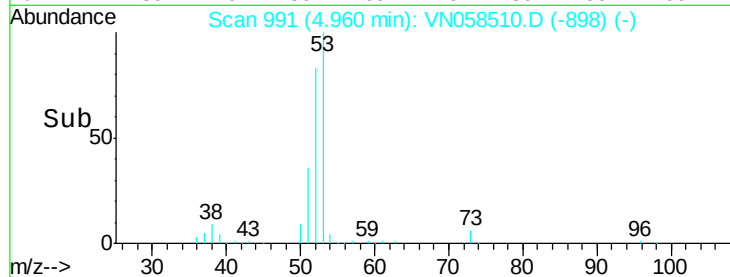
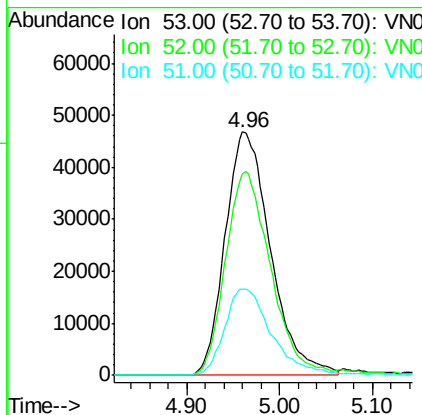
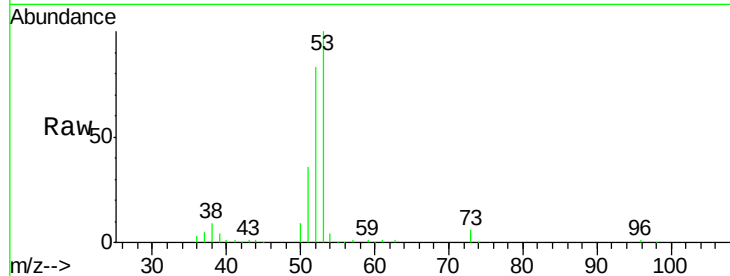
ClientSampleId :

VN1003WBSD01

Tot Ion:	53	Resp:	158934
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.6	100.0
51	36.8	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 106.771 ug/l

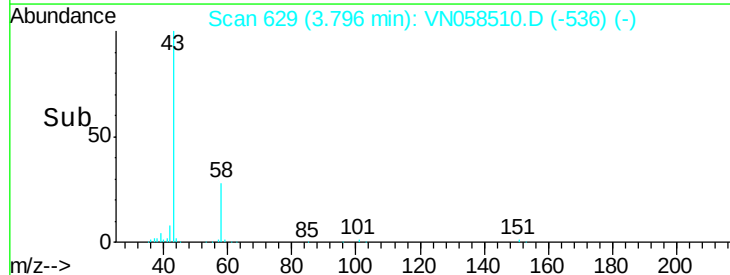
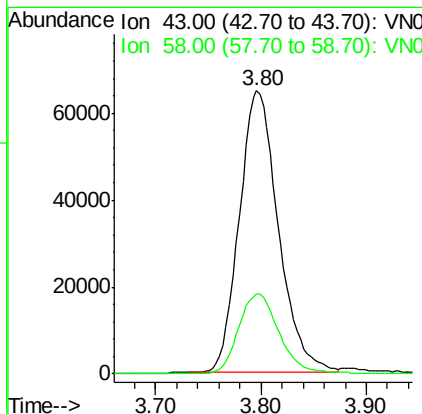
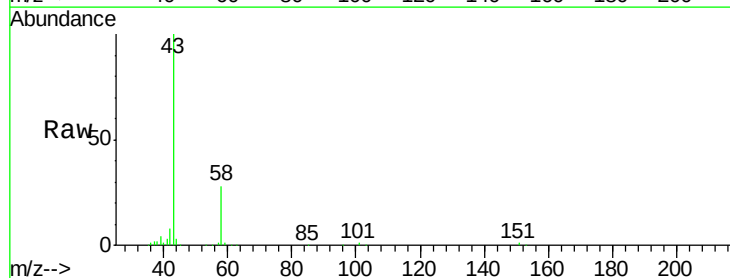
RT: 3.80 min Scan# 629

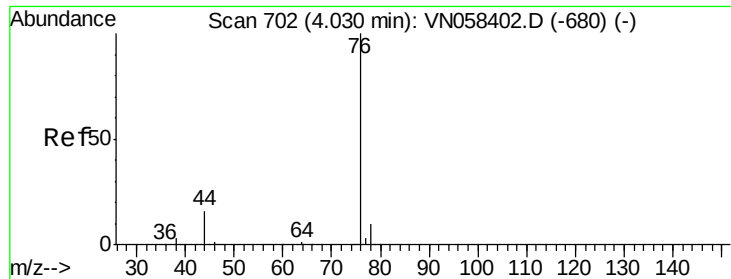
Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Tgt Ion:	43	Resp:	167041
Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.4	33.6





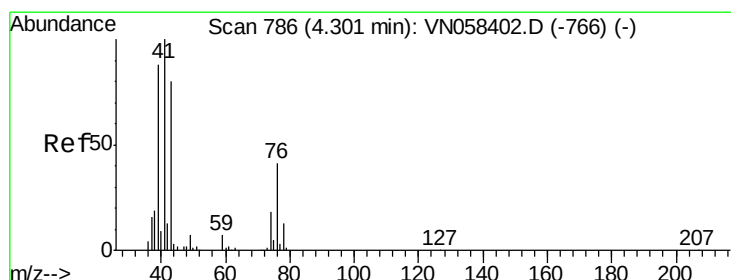
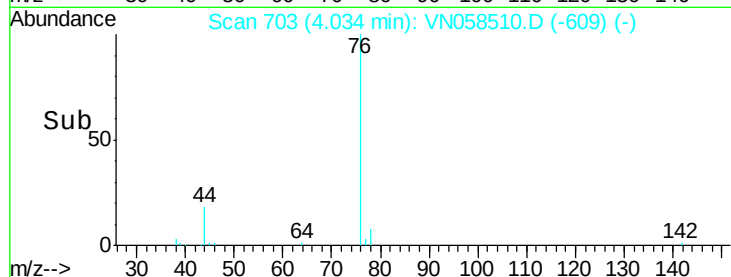
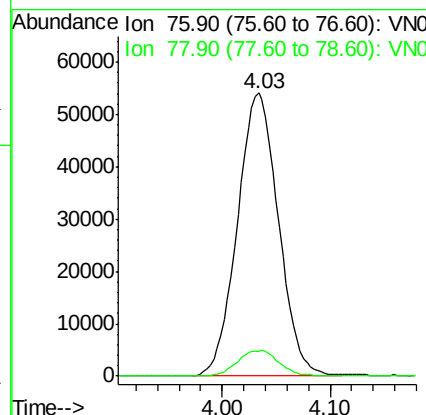
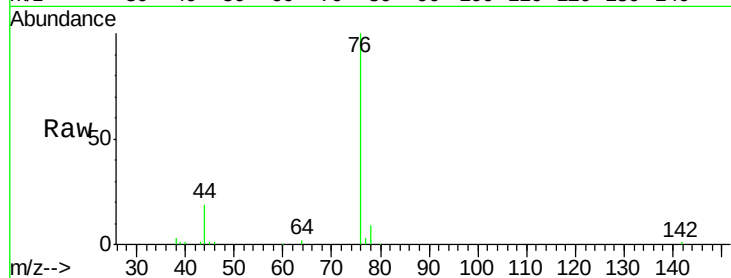
#17
Carbon Disulfide
Concen: 18.334 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Tot Ion: 76 Resp: 143179
Ion Ratio Lower Upper
76 100
78 8.9 7.7 11.5

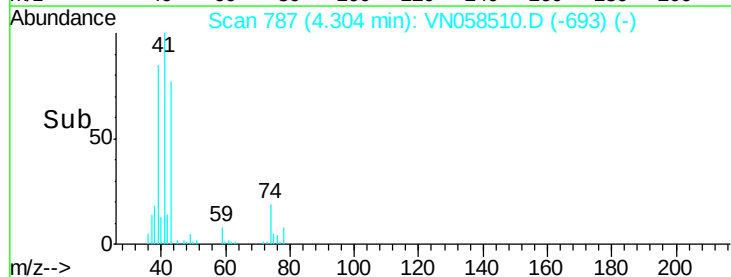
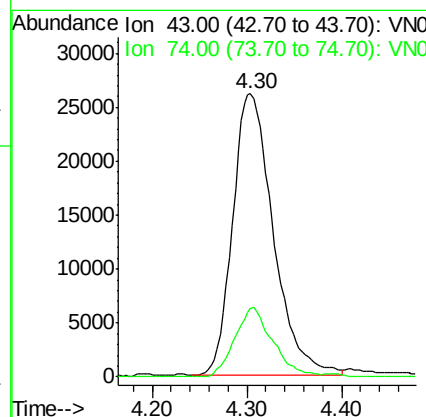
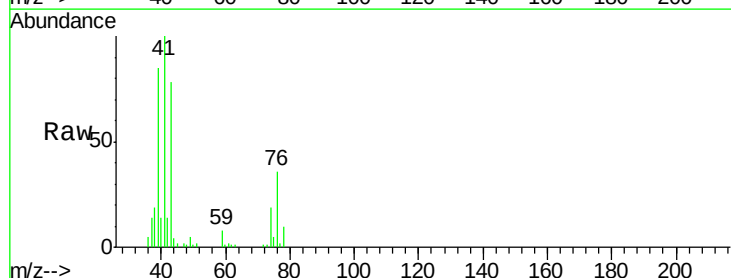
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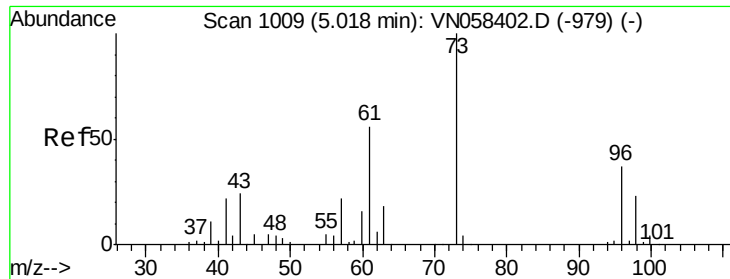
MMDadoda
10/4/2019 9:30:23 AM



#18
Methyl Acetate
Concen: 19.765 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Tgt Ion: 43 Resp: 77774
Ion Ratio Lower Upper
43 100
74 22.9 18.0 27.0





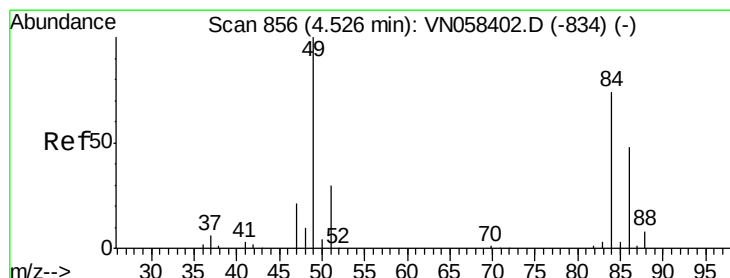
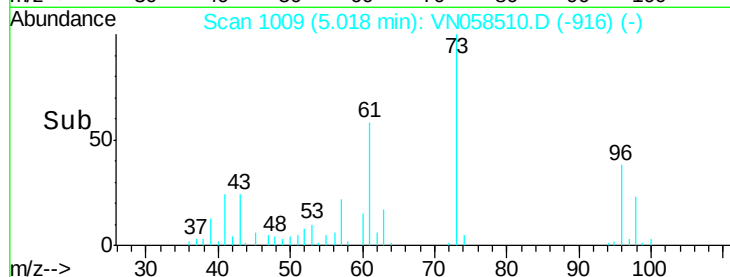
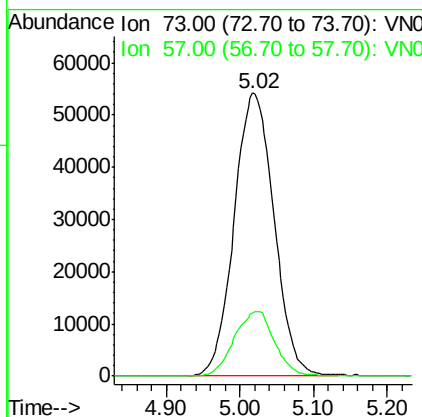
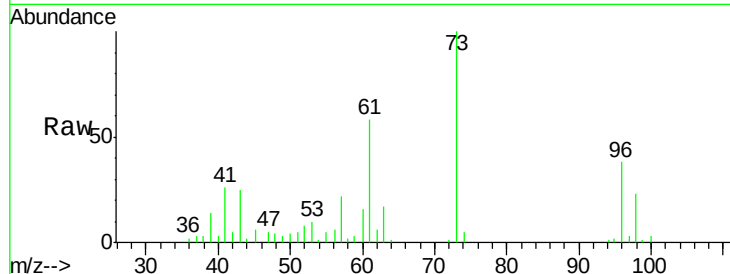
#19
Methvl tert-butvl Ether
Concen: 19.515 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Tot Ion: 73 Resp: 203995
Ion Ratio Lower Upper
73 100
57 22.4 17.6 26.4

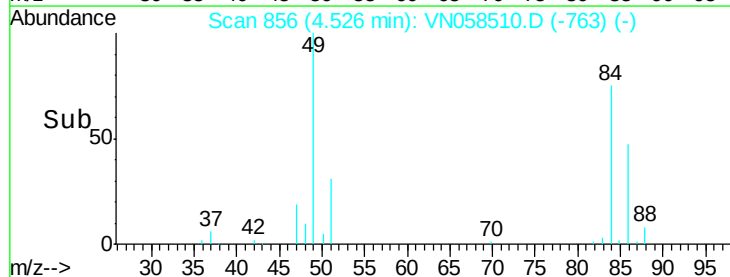
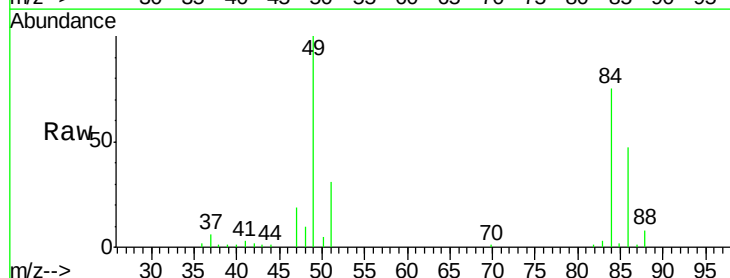
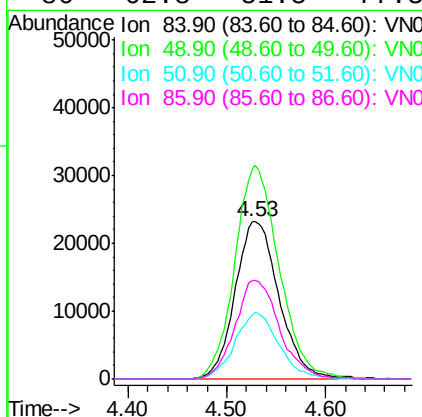
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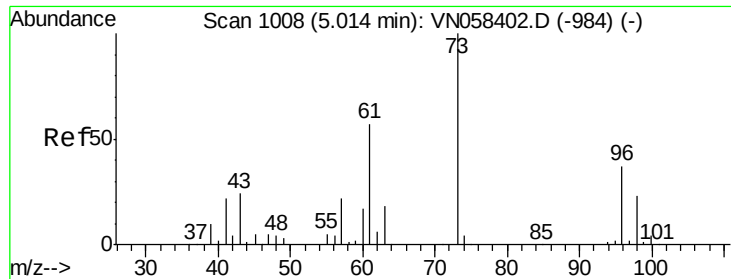
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#20
Methylene Chloride
Concen: 19.798 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Tgt Ion: 84 Resp: 71479
Ion Ratio Lower Upper
84 100
49 133.5 107.9 161.9
51 40.8 32.8 49.2
86 62.8 51.5 77.3





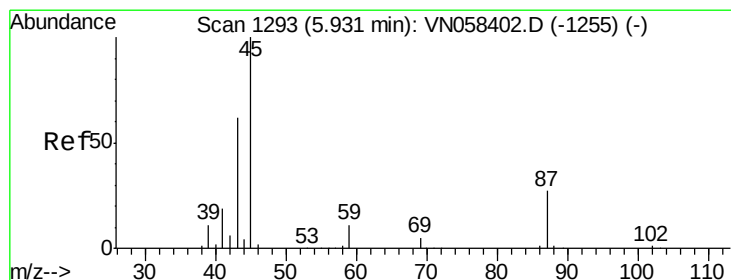
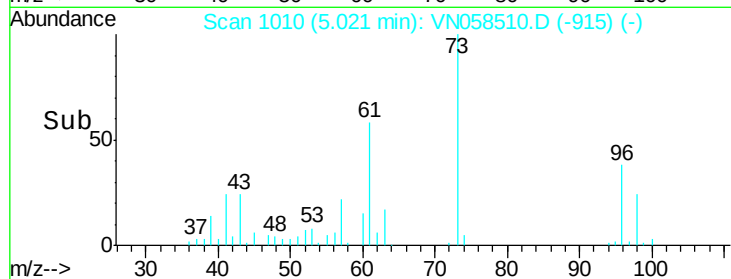
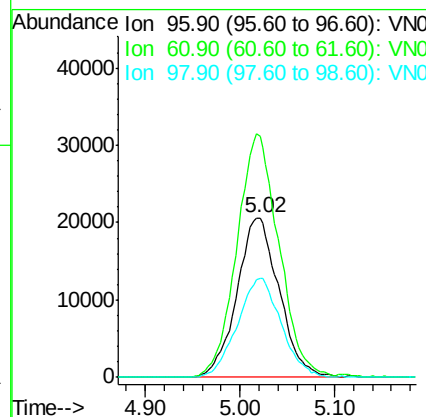
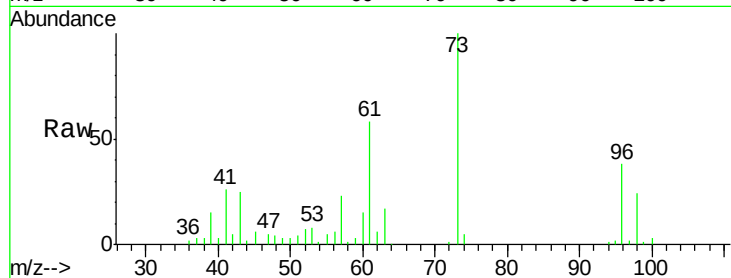
#21
trans-1,2-Dichloroethene
Concen: 19.402 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.2	121.9	182.9
98	62.4	49.3	73.9

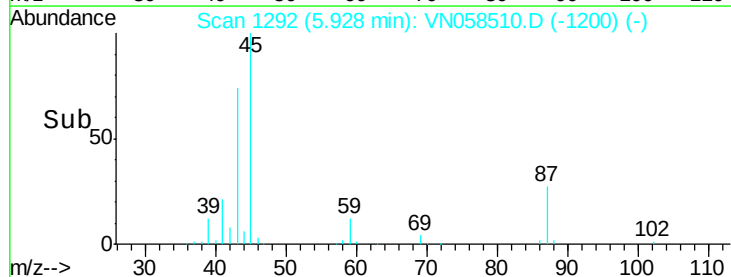
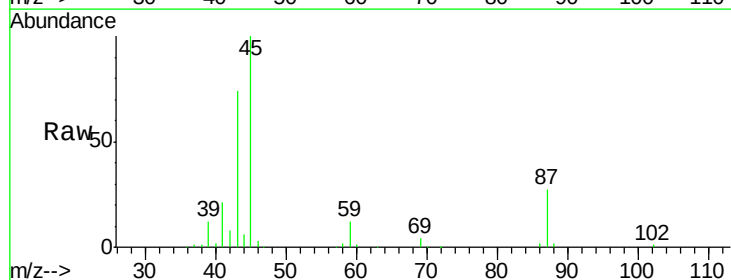
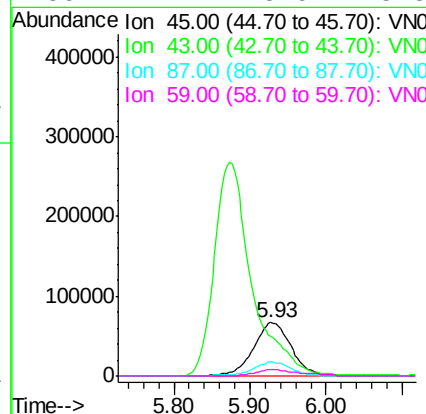
Manual Integrations
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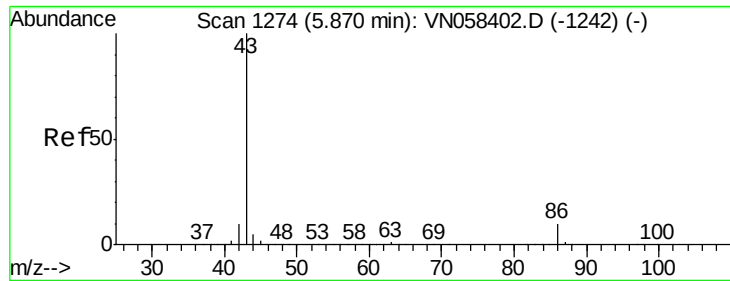
MMDadoda
10/4/2019 9:30:23 AM



#22
Diisopropyl ether
Concen: 19.907 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.8	49.7	74.5
87	26.6	21.5	32.3
59	11.4	8.9	13.3





#23

Vinyl Acetate

Concen: 105.382 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN1003WBSD01

Tot Ion: 43 Resp: 921895

Ion Ratio Lower Upper

43 100

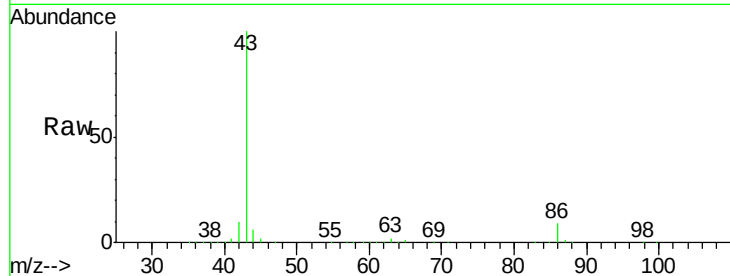
86 9.4 7.7 11.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

250000

200000

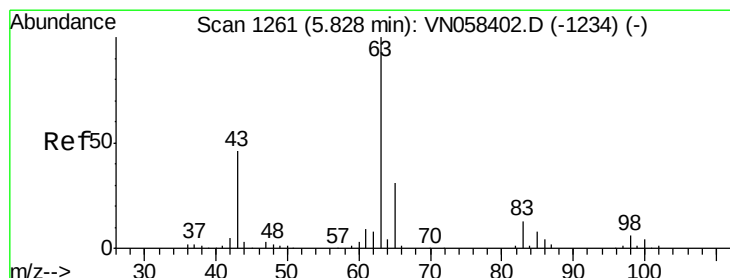
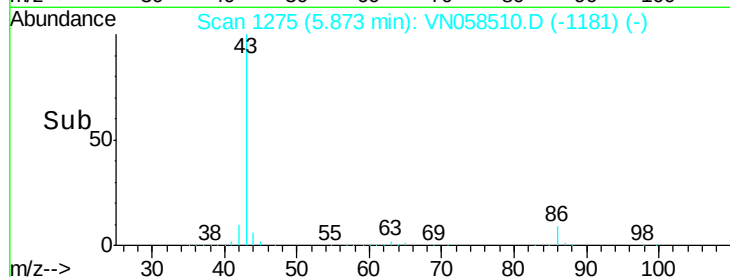
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.633 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

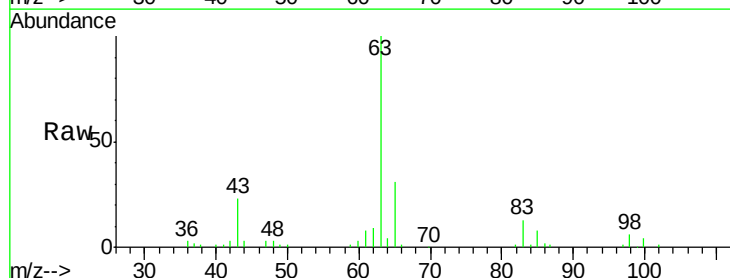
Tgt Ion: 63 Resp: 134724

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

100 3.8 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.83

50000

40000

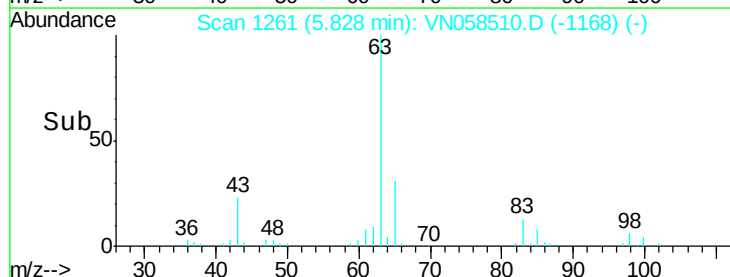
30000

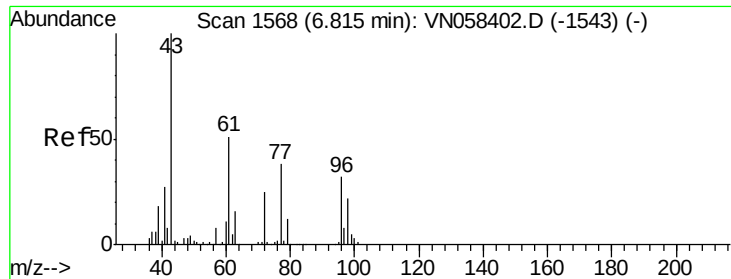
20000

10000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 107.476 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN1003WBSD01

Tot Ion: 43 Resp: 230856

Ion Ratio Lower Upper

43 100

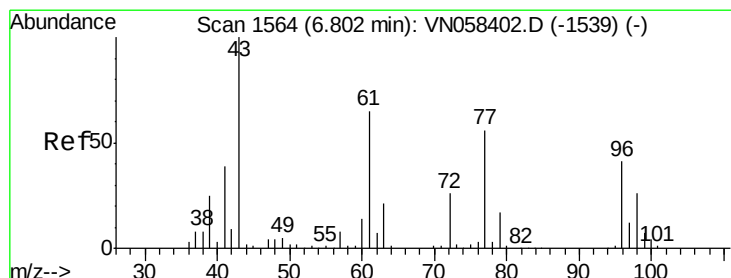
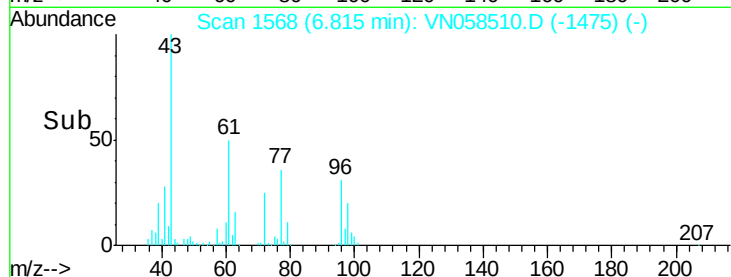
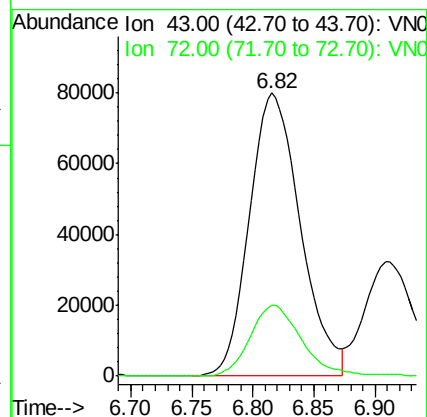
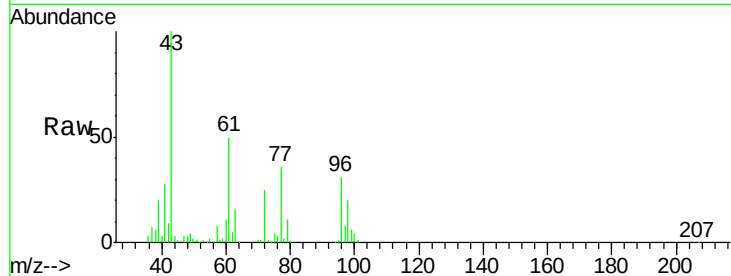
72 25.0 20.2 30.4

Manual Integrations

APPROVED

MMDadoda

10/4/2019 9:30:23 AM



#26

2,2-Dichloropropane

Concen: 19.420 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058510.D

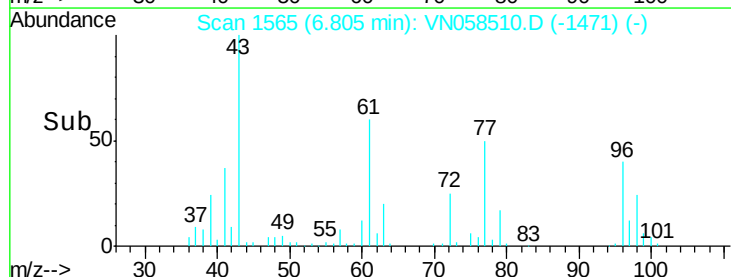
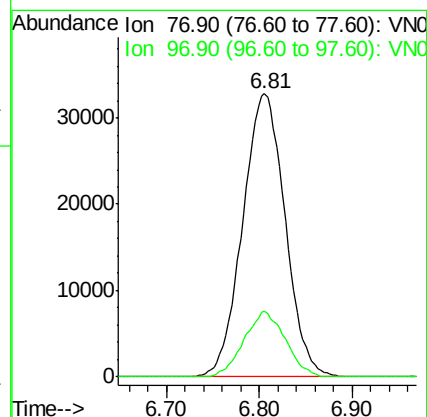
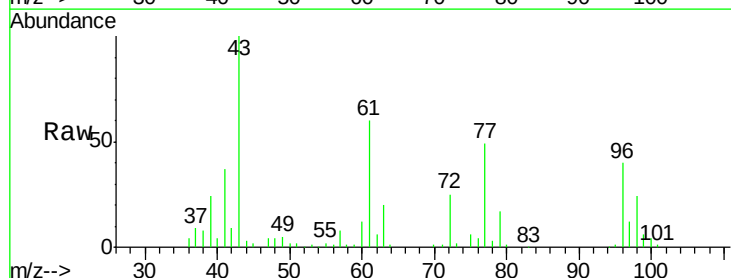
Acq: 3 Oct 2019 15:21

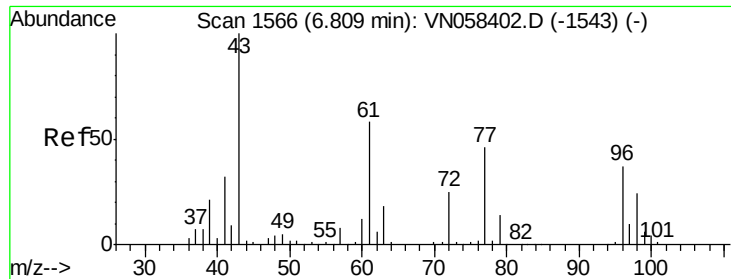
Tgt Ion: 77 Resp: 104247

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.6





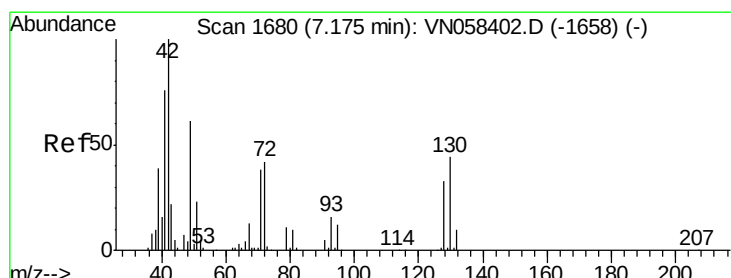
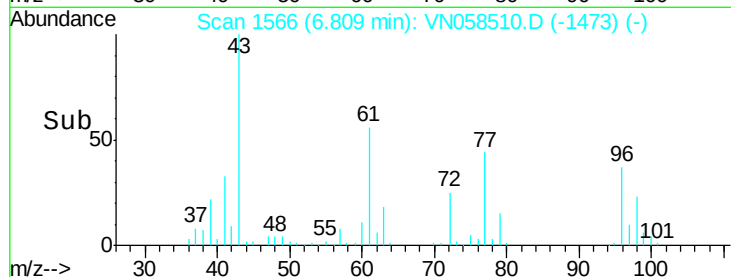
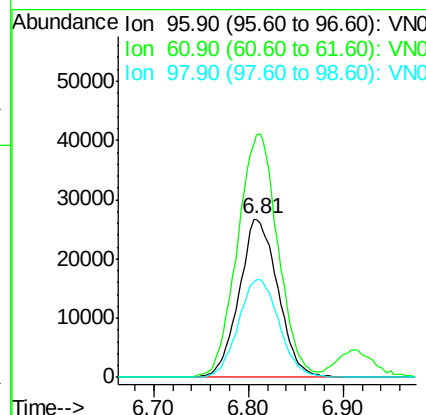
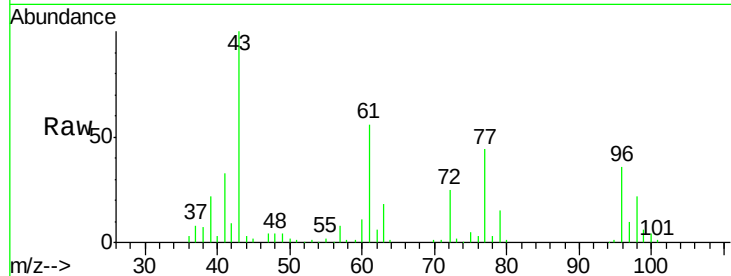
#27
 cis-1,2-Dichloroethene
 Concen: 19.745 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN1003WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.7	0.0	318.8
98	64.8	0.0	129.8

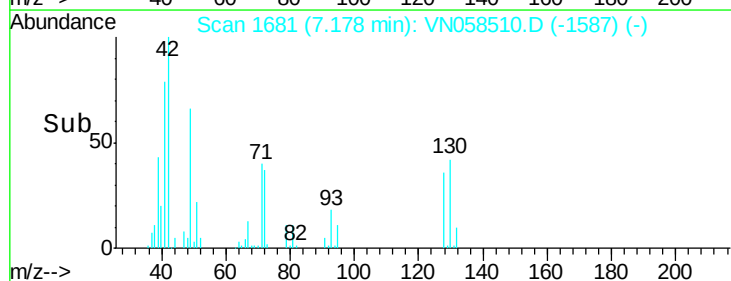
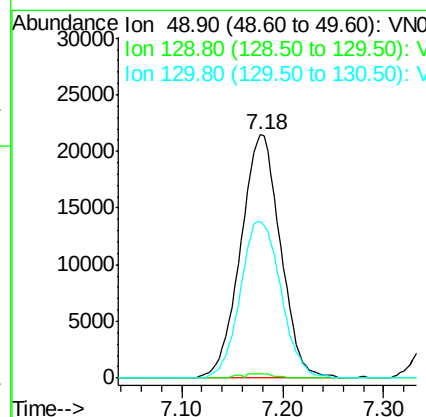
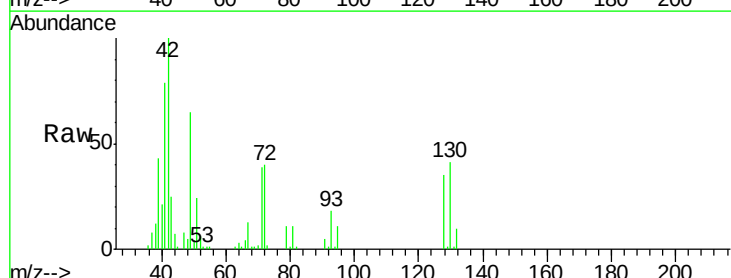
Manual Integrations
 APPROVED

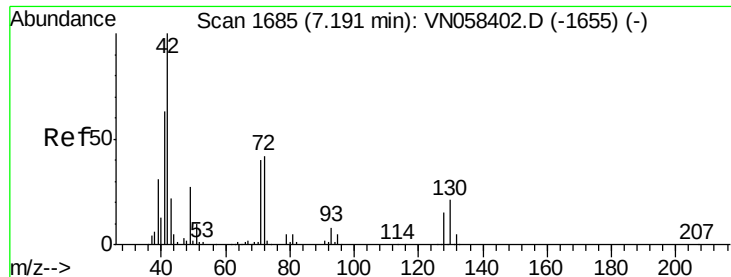
MMDadoda
 10/4/2019 9:30:23 AM



#28
 Bromochloromethane
 Concen: 22.517 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.4
130	65.8	56.3	84.5





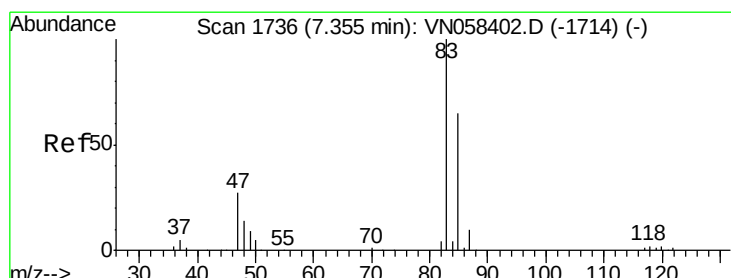
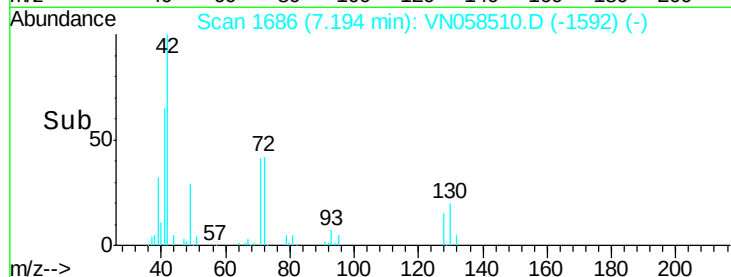
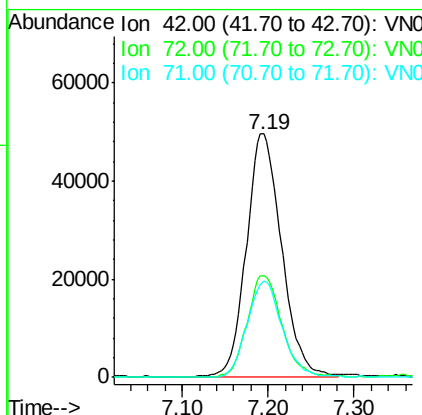
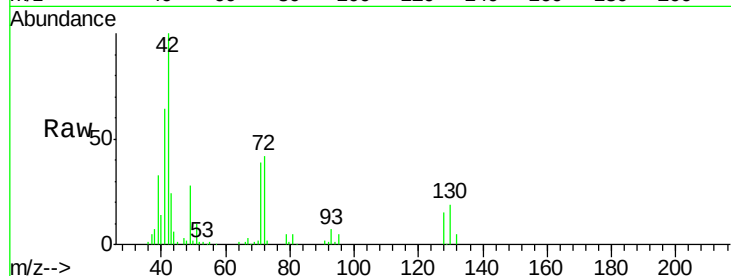
#29
Tetrahydrofuran
Concen: 104.138 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.7	50.5
71	39.2	31.8	47.6

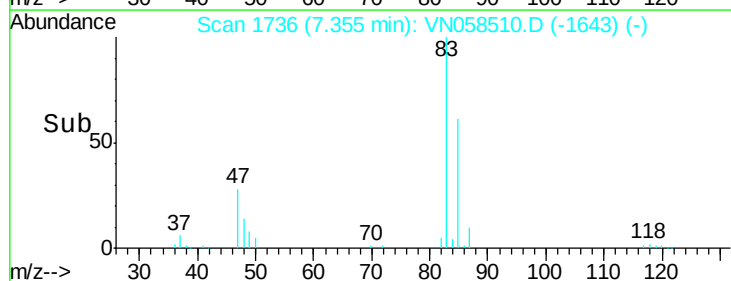
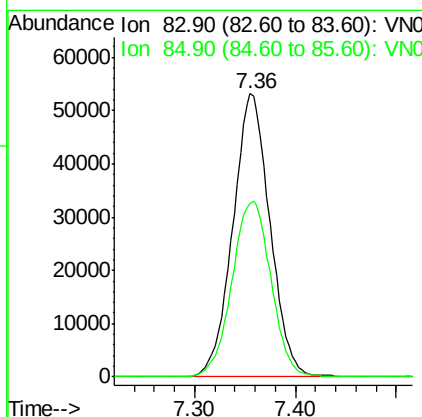
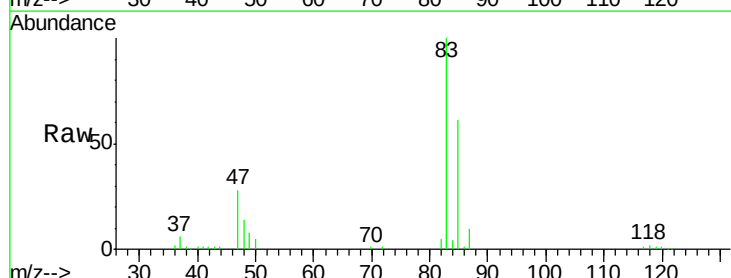
Manual Integrations
APPROVED

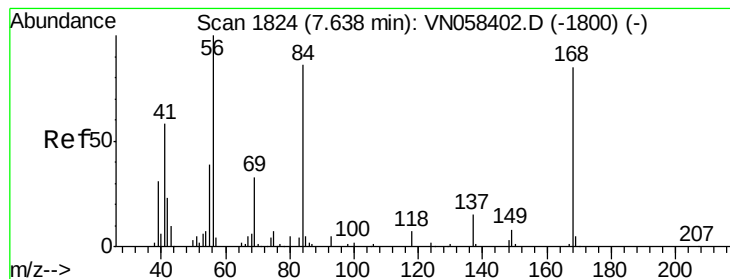
MMDadoda
10/4/2019 9:30:23 AM



#30
Chloroform
Concen: 20.468 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	52.0	78.0





#31

Cyclohexane

Concen: 19.390 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

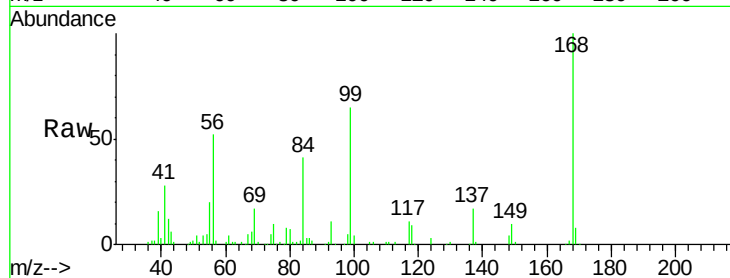
ClientSampleId :

VN1003WBSD01

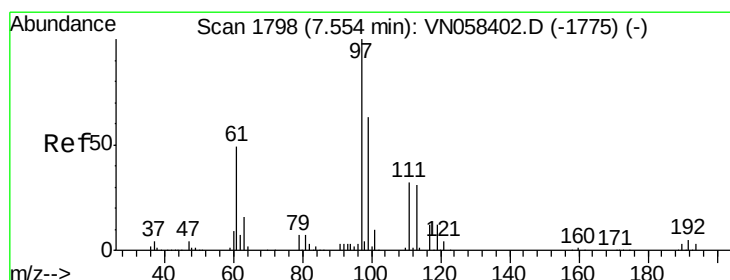
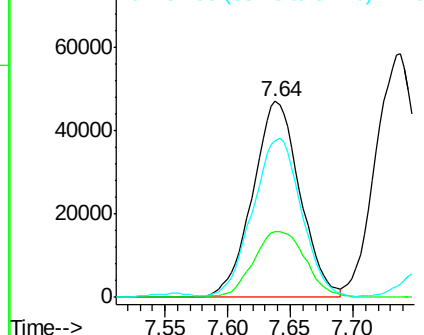
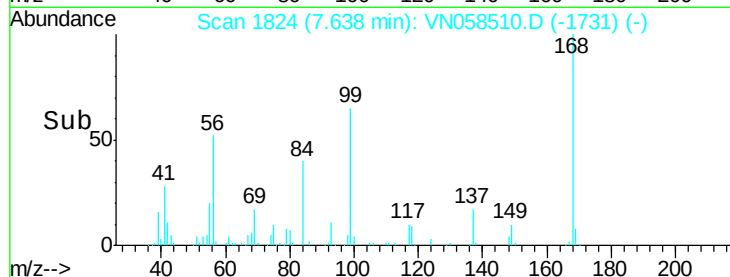
Tot Ion	Ratio	Lower	Upper
56	100		
69	33.7	26.2	39.4
84	78.5	67.6	101.4

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN058510.D (-1731) (-)



#32

1,1,1-Trichloroethane

Concen: 20.156 ug/l

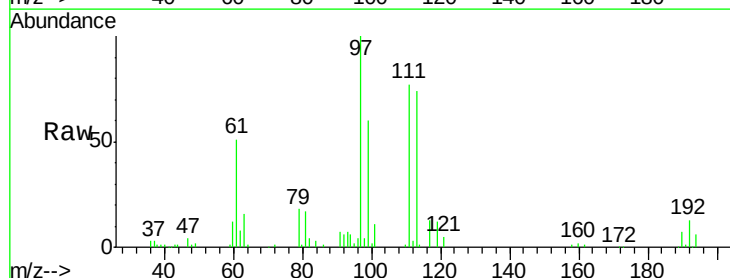
RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

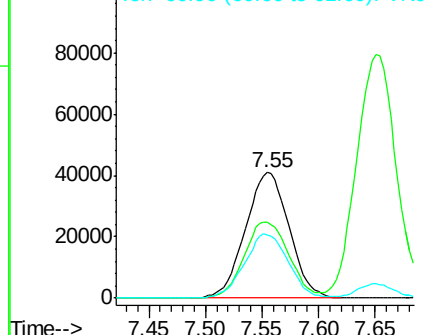
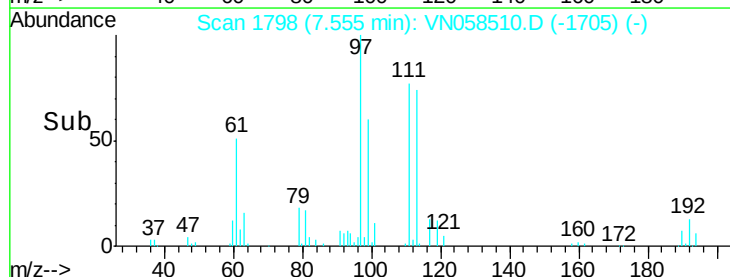
Lab File: VN058510.D

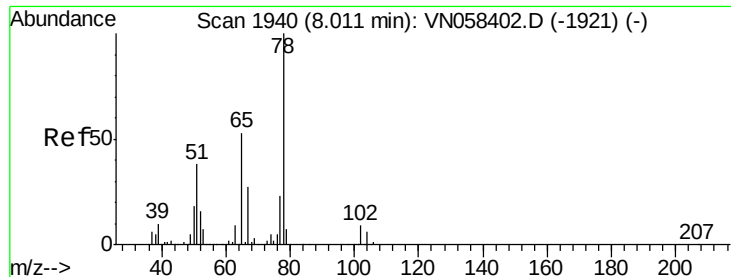
Acq: 3 Oct 2019 15:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.1	76.7
61	51.6	39.2	58.8



Abundance Ion 96.90 (96.60 to 97.60): VN058510.D (-1705) (-)





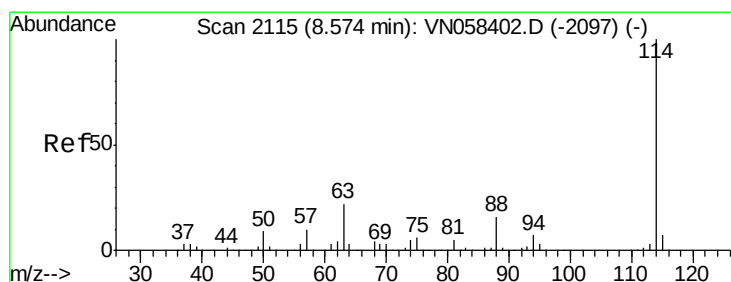
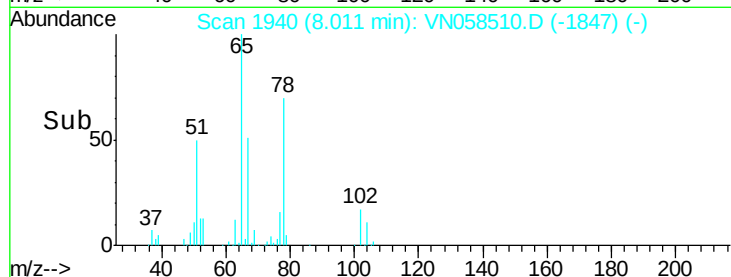
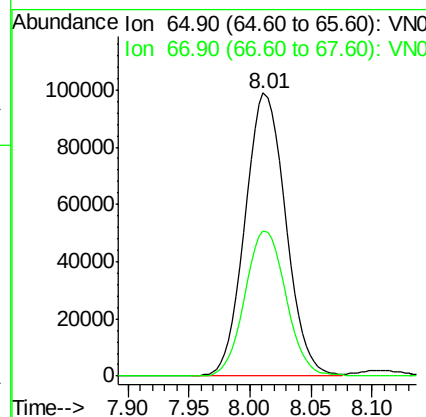
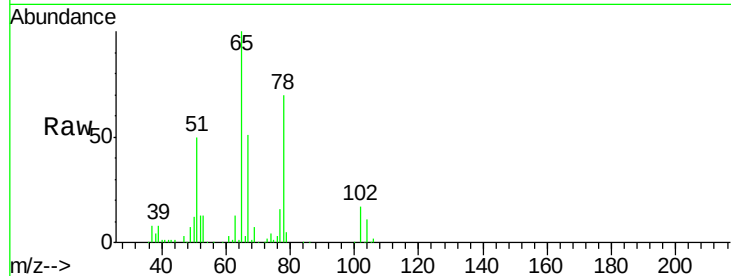
#33
 1,2-Dichloroethane-d4
 Concen: 49.843 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	228748		
67	51.8	0.0	102.4	

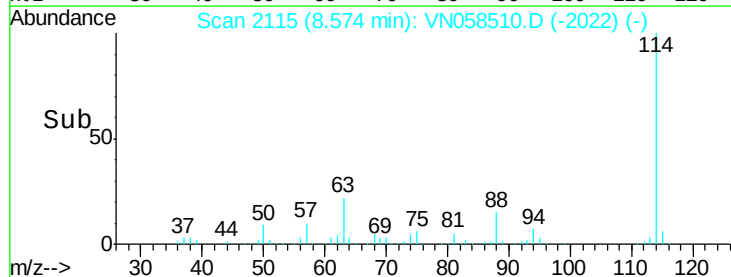
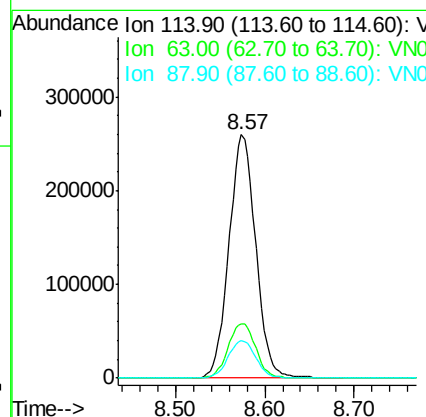
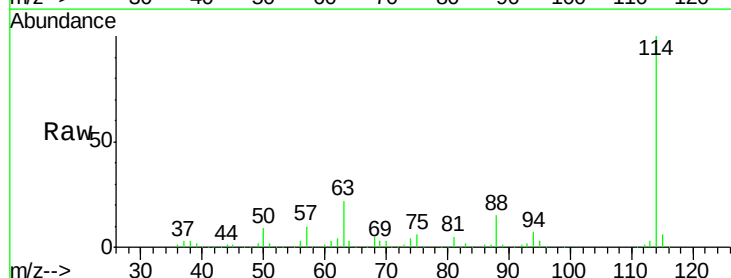
Manual Integrations
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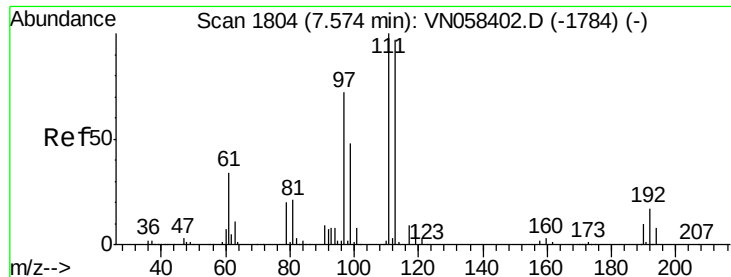
MMDadoda
 10/4/2019 9:30:23 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	539933		
63	22.4	0.0	45.0	
88	15.3	0.0	32.2	





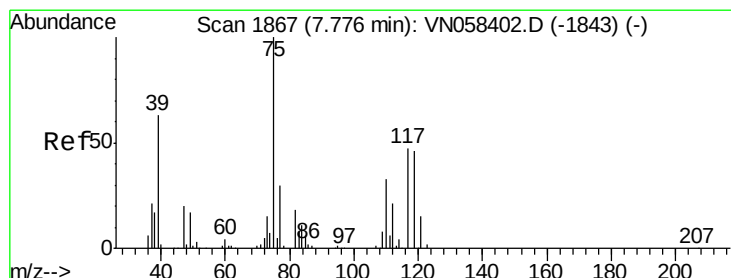
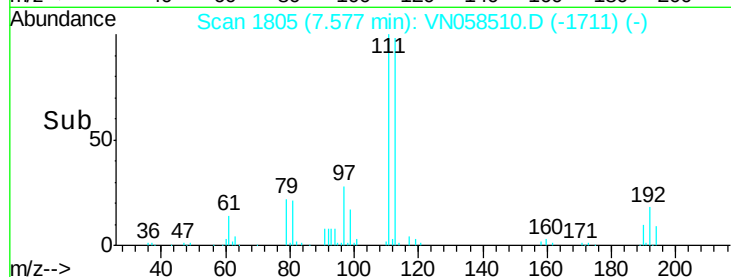
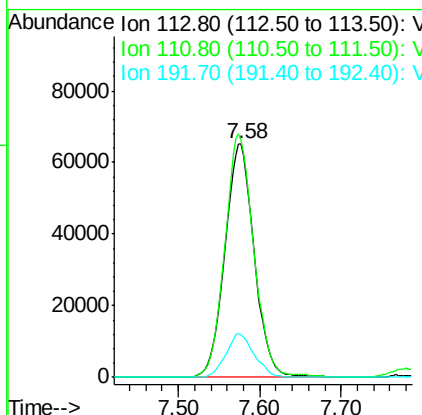
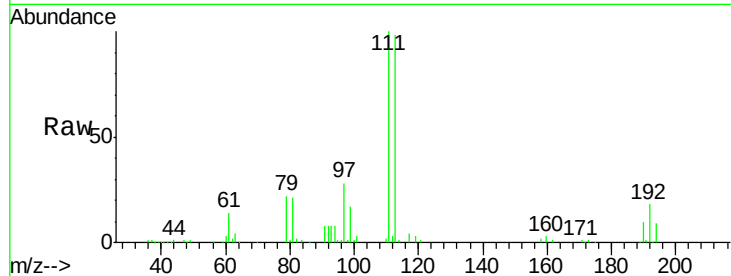
#35
 Dibromofluoromethane
 Concen: 49.695 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	164451		
111	103.3	83.4	125.2	
192	18.0	14.9	22.3	

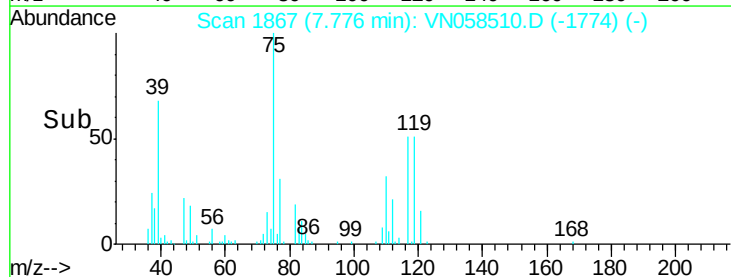
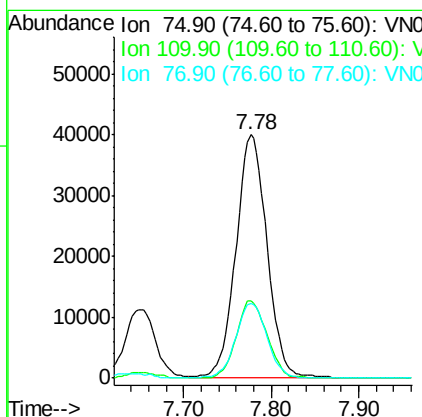
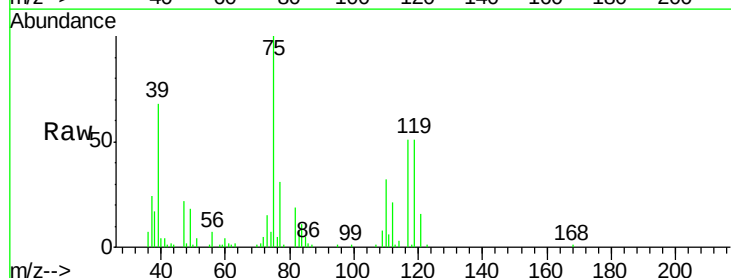
Manual Integrations
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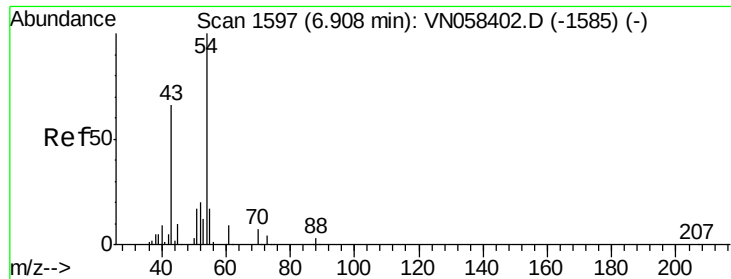
MMDadoda
 10/4/2019 9:30:23 AM



#36
 1,1-Dichloropropene
 Concen: 19.148 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	98857		
110	31.1	16.4	49.2	
77	30.8	24.3	36.5	





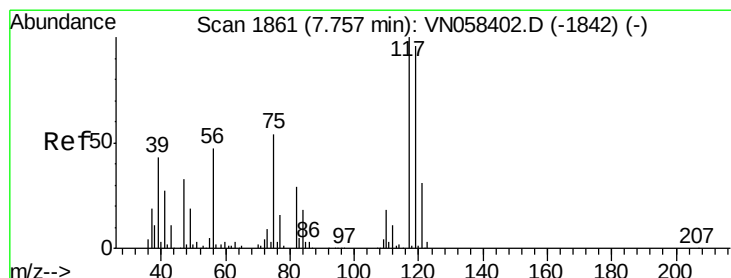
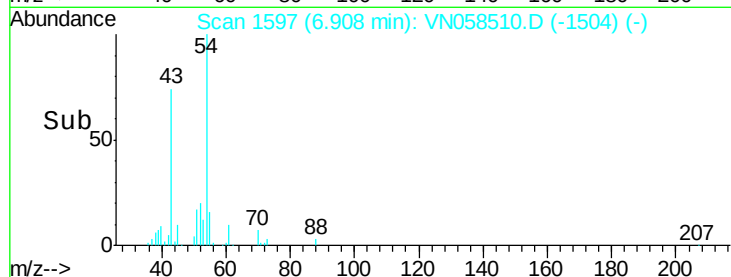
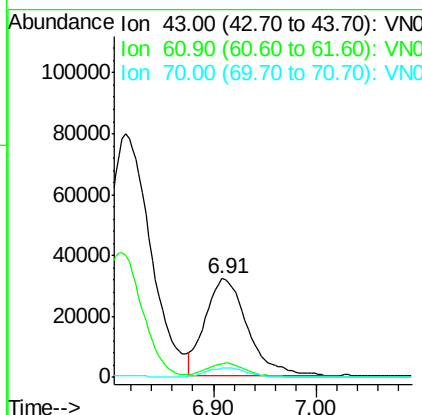
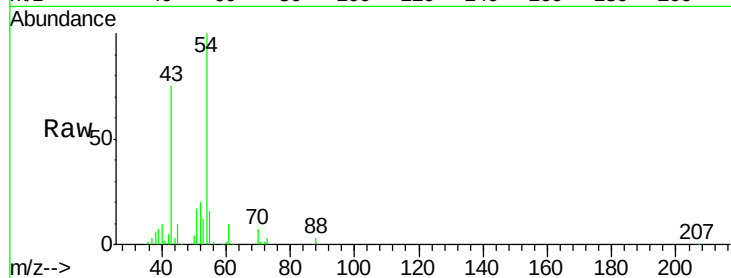
#37
Ethyl Acetate
Concen: 20.921 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Instrument :
MSVOA_N
ClientSampled :
VN1003WBSD01

Tot Ion	43	61	70	Ratio	Lower	Upper
Resp:	91577					
Ion	43	61	70	100	13.5	9.3
Ratio					10.5	7.8
Lower					15.7	11.6
Upper						

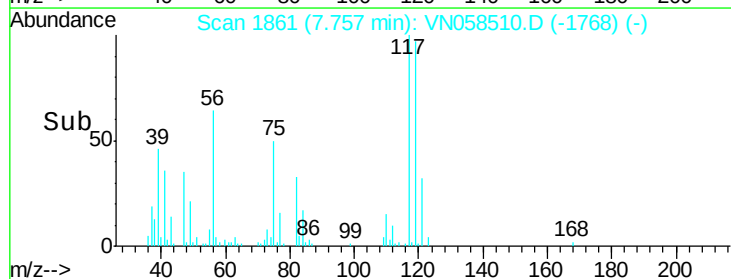
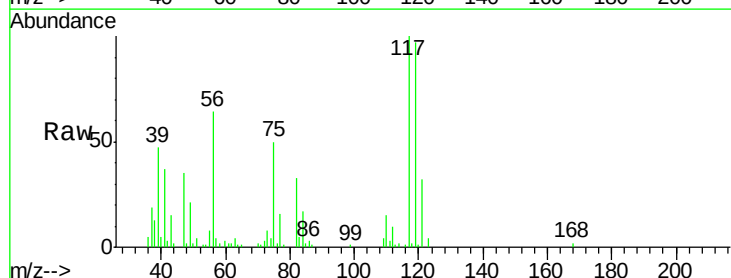
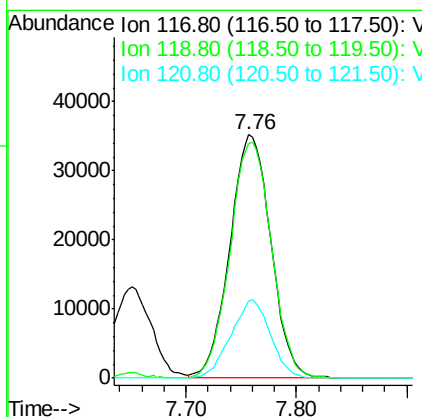
Manual Integrations
APPROVED

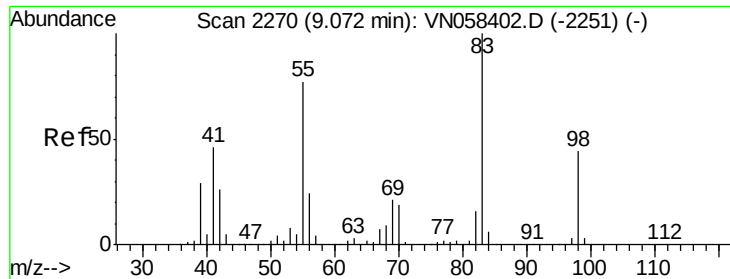
MMDadoda
10/4/2019 9:30:23 AM



#38
Carbon Tetrachloride
Concen: 19.485 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Tgt Ion	117	119	121	Ratio	Lower	Upper
Resp:	90804					
Ion	117	119	121	100	96.5	31.7
Ratio					76.6	24.7
Lower					115.0	37.1
Upper						





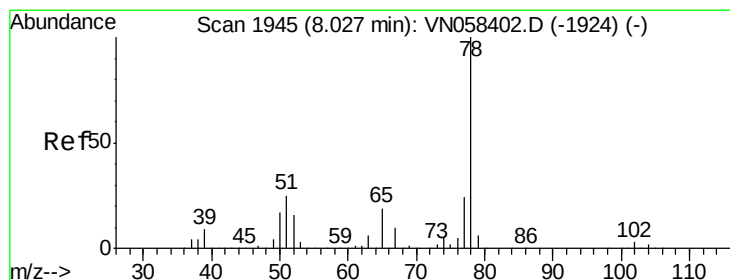
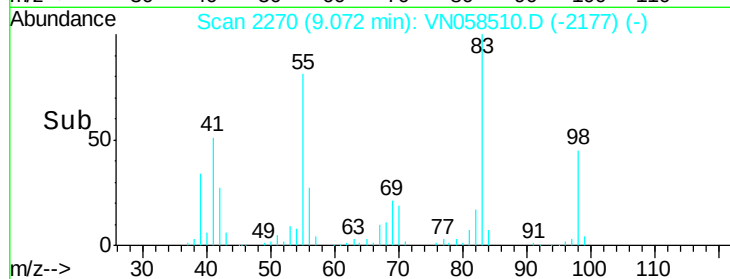
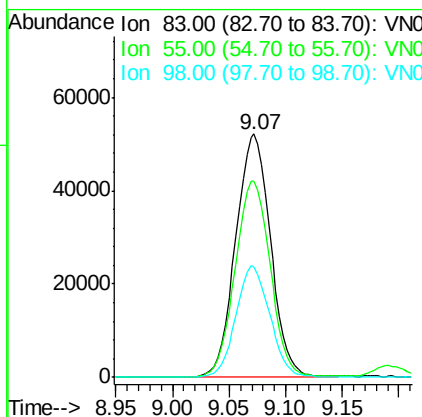
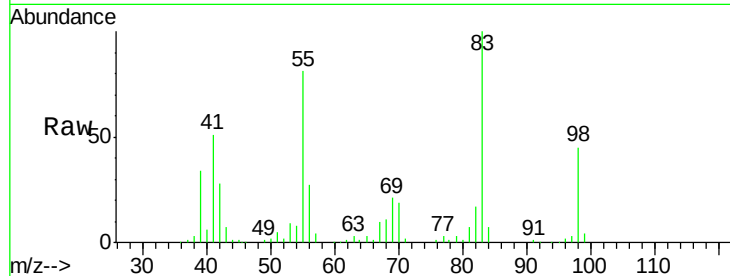
#39
Methylvlcyclohexane
Concen: 18.625 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.6	61.8	92.6
98	45.4	35.4	53.0

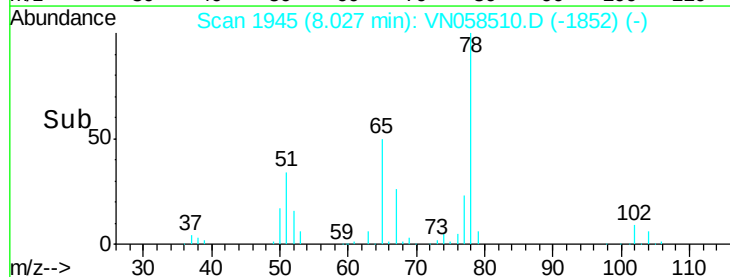
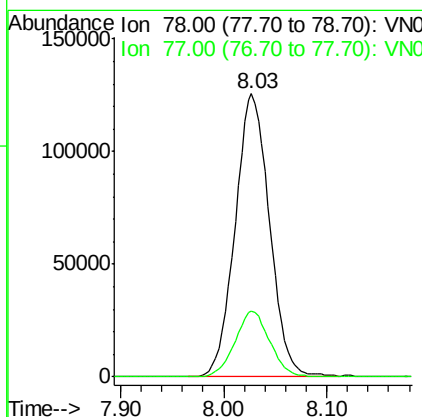
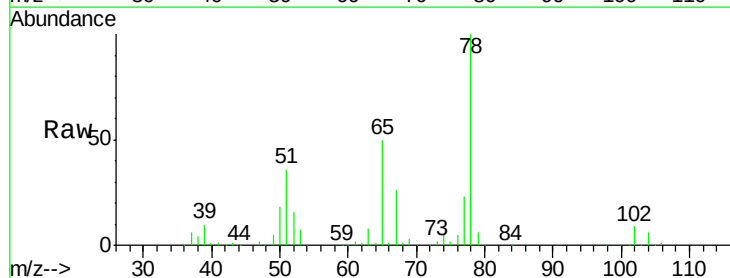
Manual Integrations
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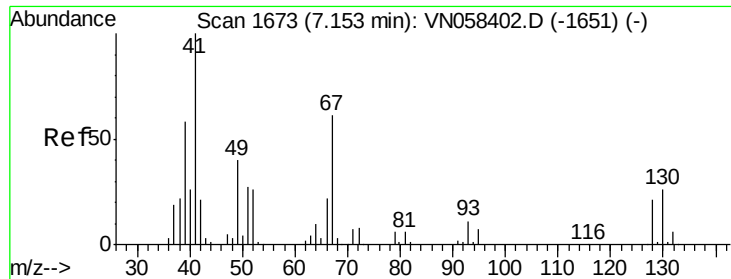
MMDadoda
10/4/2019 9:30:23 AM



#40
Benzene
Concen: 19.678 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3





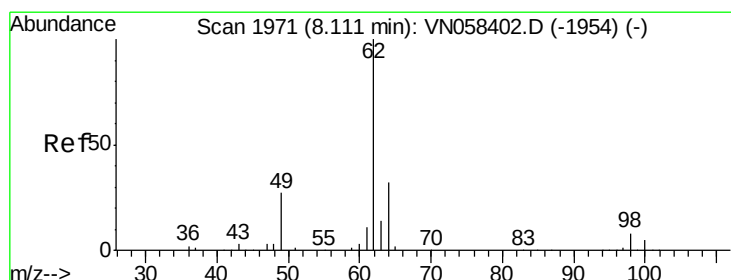
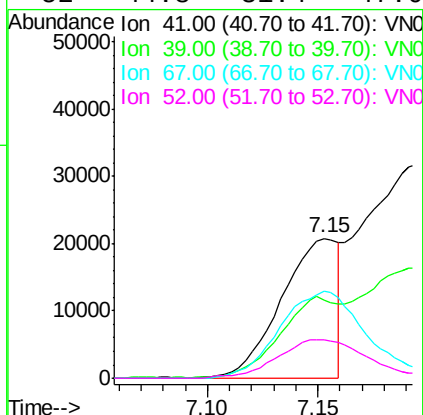
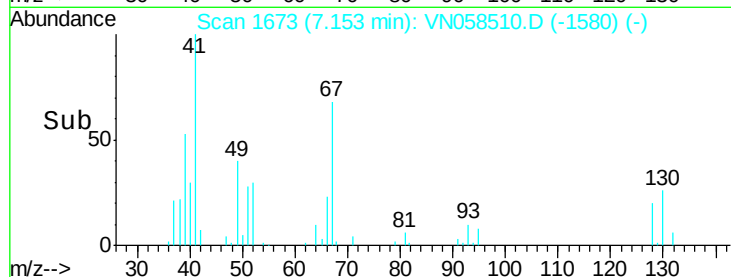
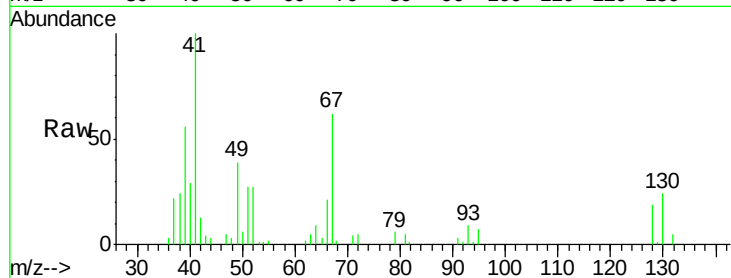
#41
Methacrylonitrile
Concen: 18.417 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	58.6	50.2	75.4
67	67	95.8	70.2	105.4
52	52	44.8	31.4	47.0

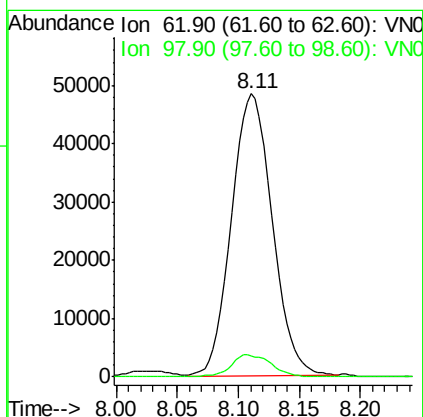
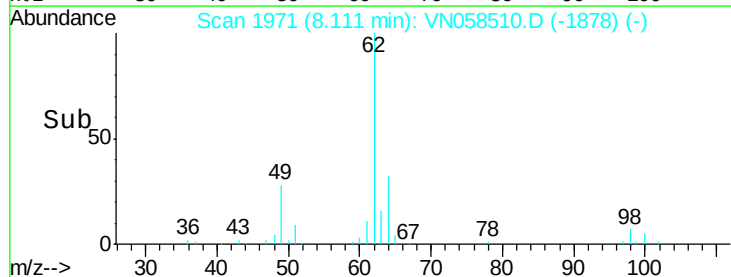
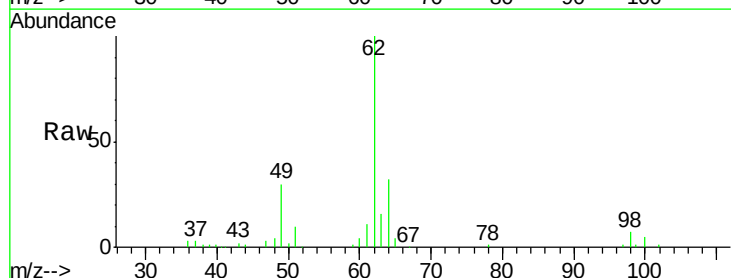
Manual Integrations
APPROVED

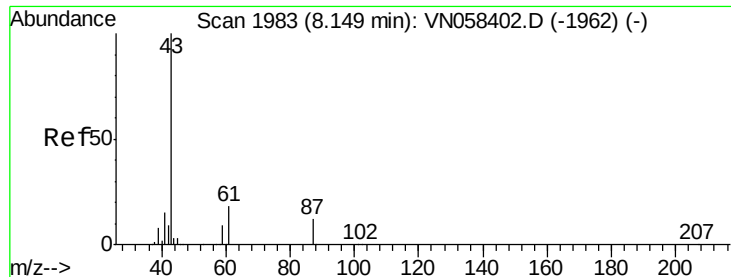
MMDadoda
10/4/2019 9:30:23 AM



#42
1,2-Dichloroethane
Concen: 19.459 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	7.6	0.0	15.6





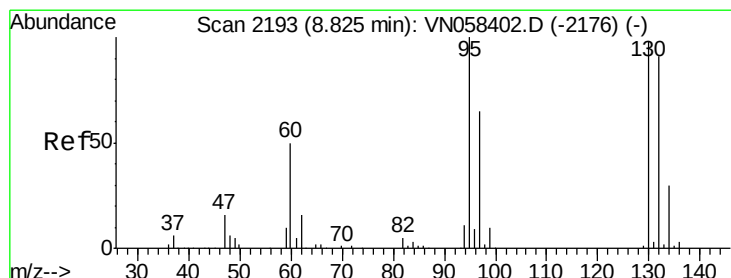
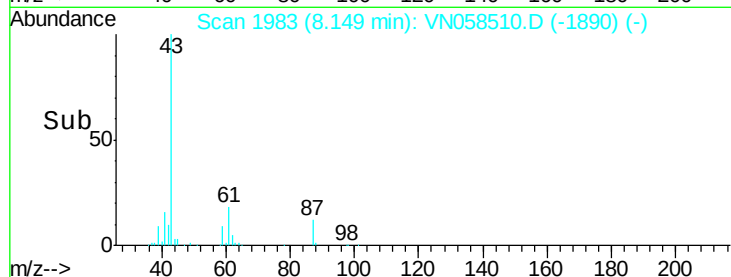
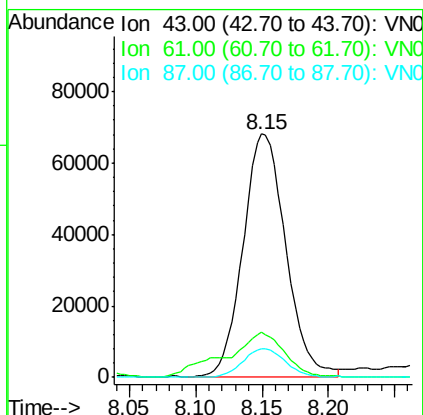
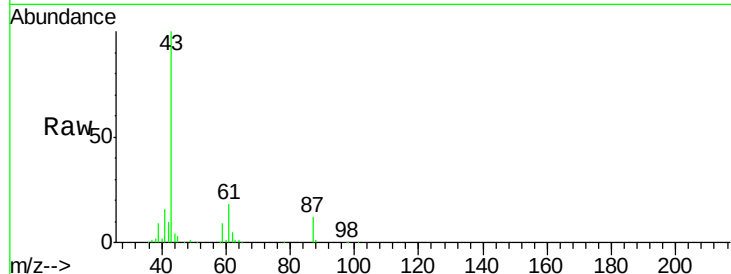
#43
Isopropyl Acetate
Concen: 18.478 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	14.8	22.2
87	11.8	9.7	14.5

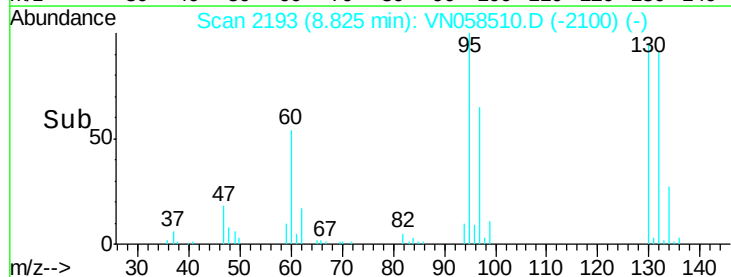
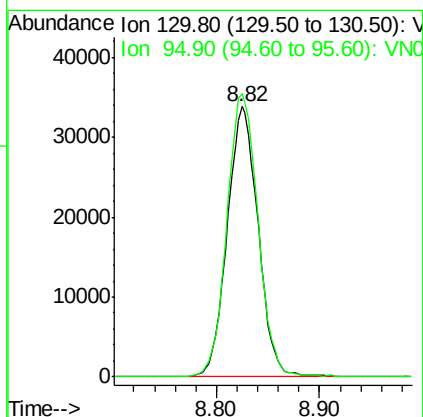
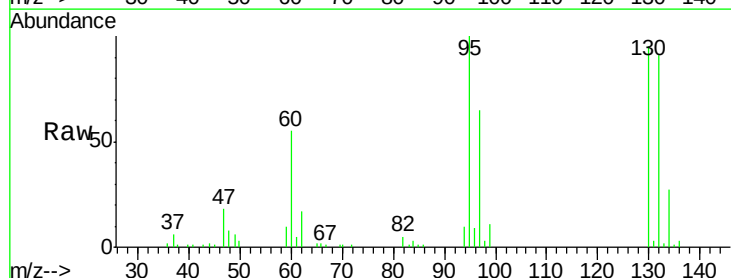
Manual Integrations
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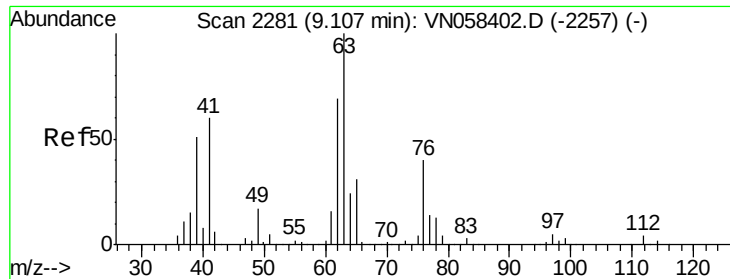
MMDadoda
10/4/2019 9:30:23 AM



#44
Trichloroethene
Concen: 19.263 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	204.2





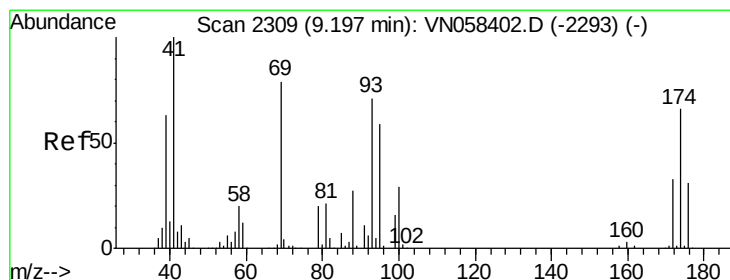
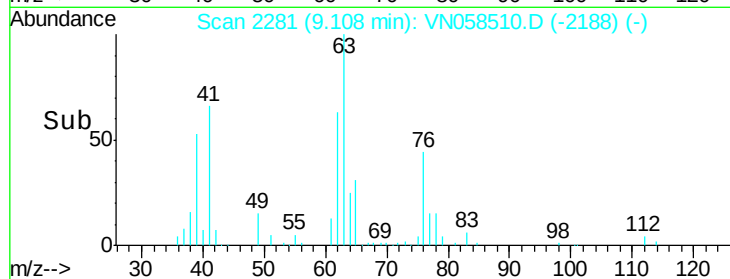
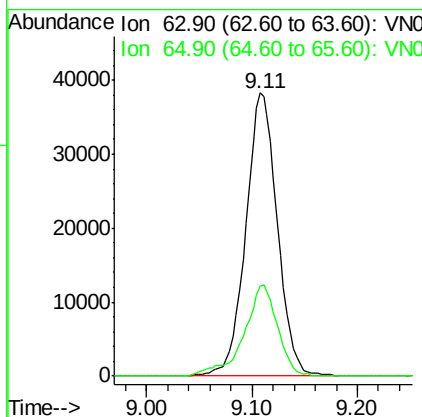
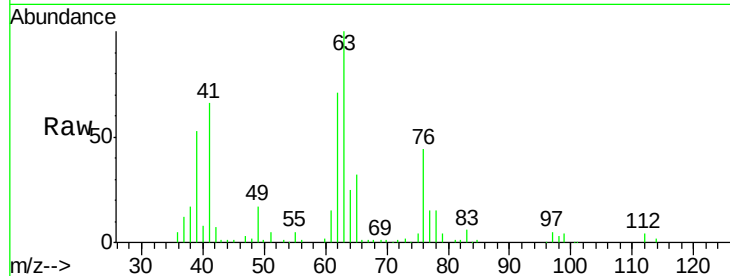
#45
 1,2-Dichloropropane
 Concen: 19.979 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003WBSD01

Tot Ion: 63 Resp: 79518
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.0 37.4

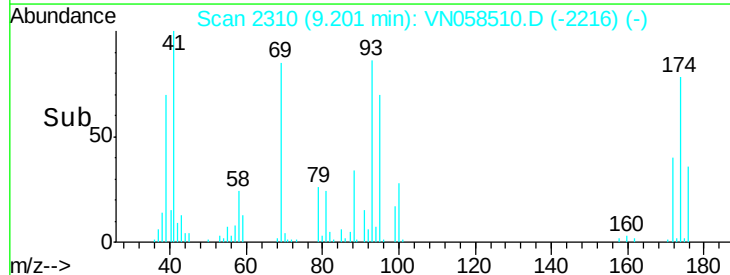
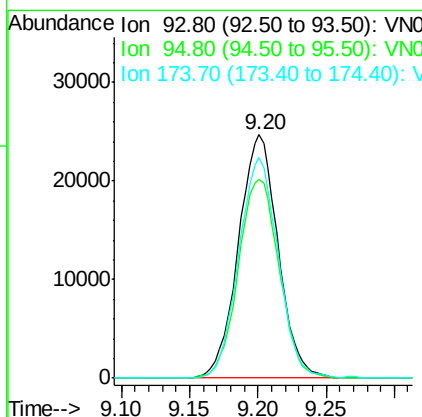
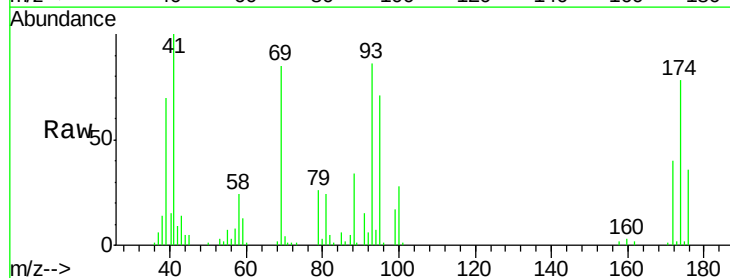
Manual Integrations
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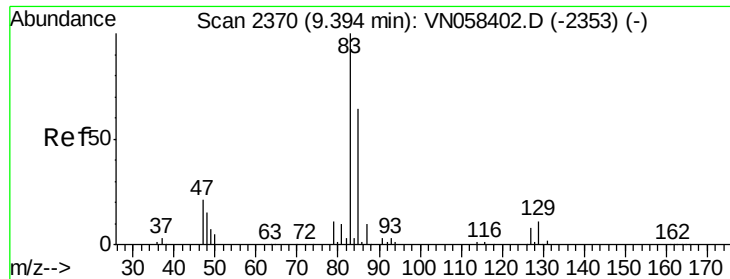
MMDadoda
 10/4/2019 9:30:23 AM



#46
 Dibromomethane
 Concen: 19.730 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Tgt Ion: 93 Resp: 49731
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.0 100.4
 174 90.2 74.2 111.2





#47

Bromodichloromethane

Concen: 20.813 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

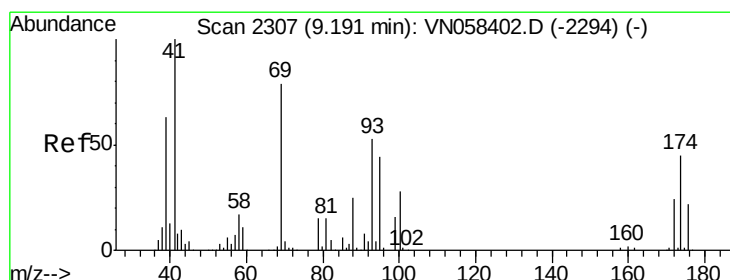
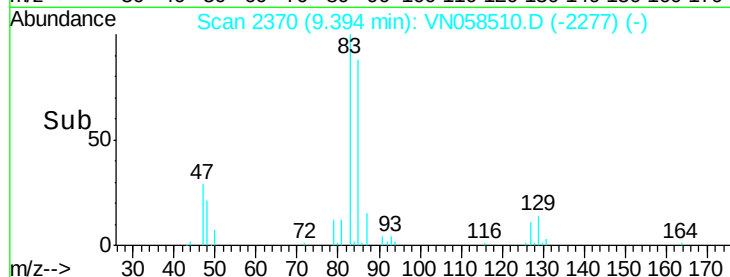
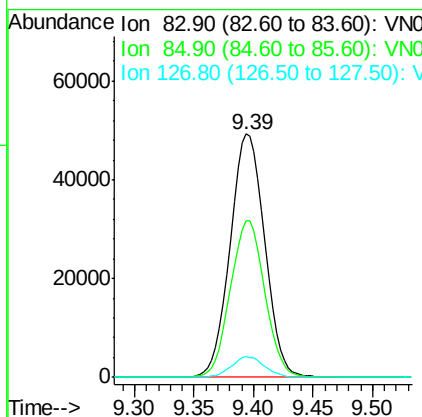
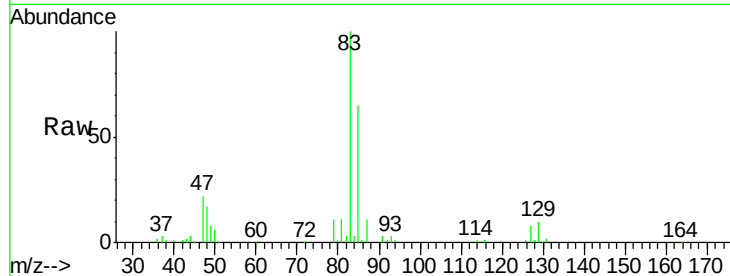
ClientSampleId :

VN1003WBSD01

Tot Ion:	83	Resp:	99396
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.2	76.8
127	8.4	6.3	9.5

Manual Integrations
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MMDadoda
10/4/2019 9:30:23 AM



#48

Methyl methacrylate

Concen: 19.440 ug/l

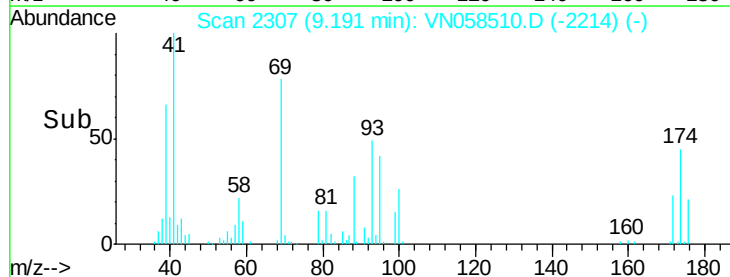
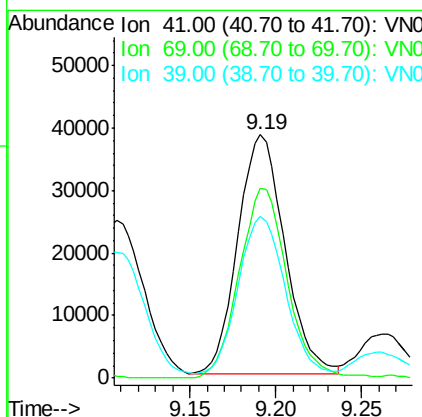
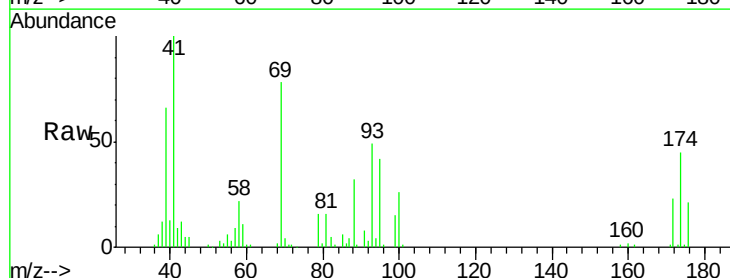
RT: 9.19 min Scan# 2307

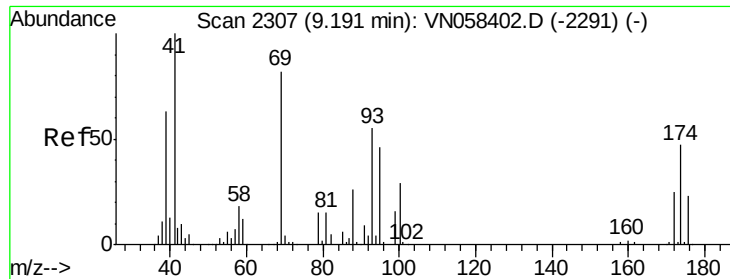
Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Tgt Ion:	41	Resp:	72863
Ion Ratio	Lower	Upper	
41	100		
69	81.3	64.7	97.1
39	68.2	52.9	79.3





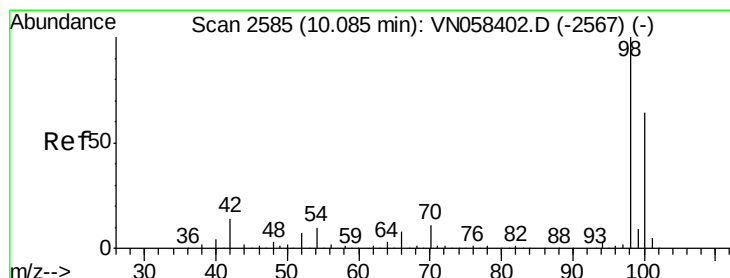
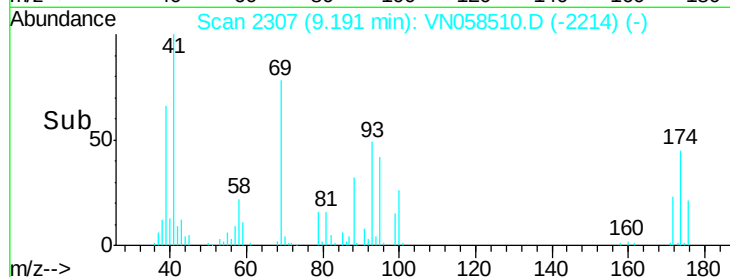
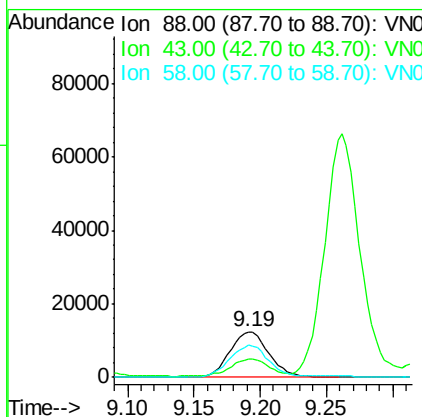
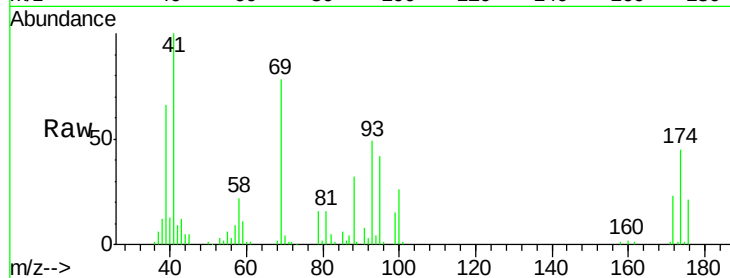
#49
1,4-Dioxane
Concen: 508.061 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	31.1	46.7
58	71.3	58.1	87.1

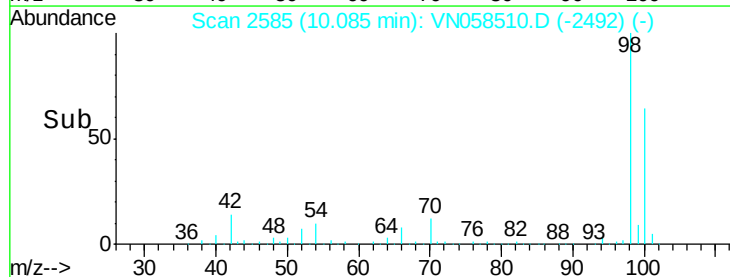
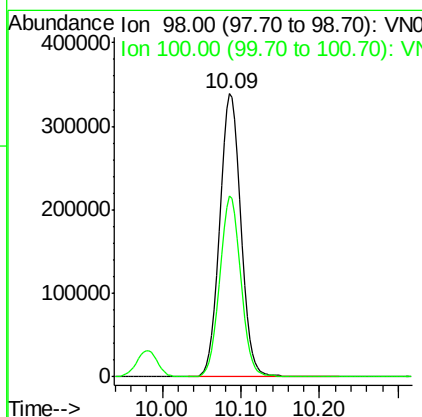
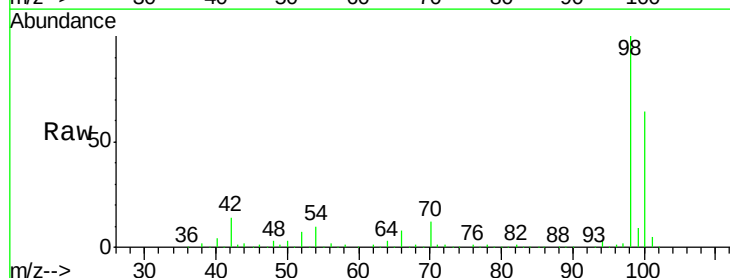
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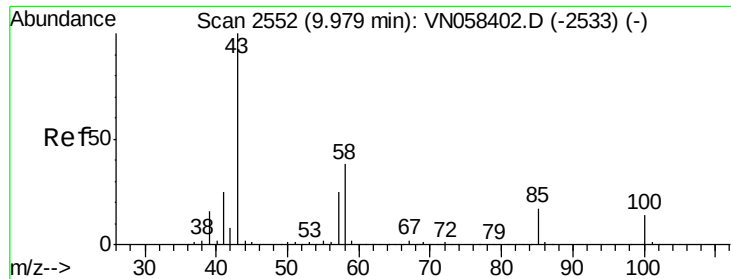
MMDadoda
10/4/2019 9:30:23 AM



#50
Toluene-d8
Concen: 48.381 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 110.169 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN1003WBSD01

Tot Ion: 43 Resp: 465799

Ion Ratio Lower Upper

43 100

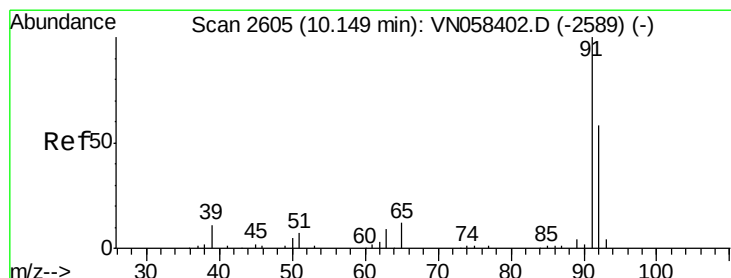
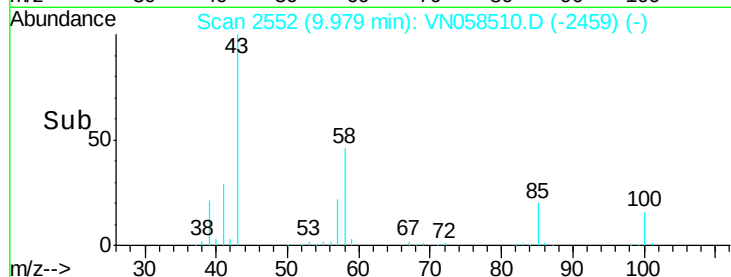
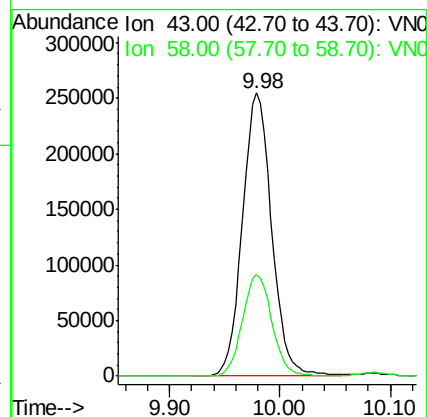
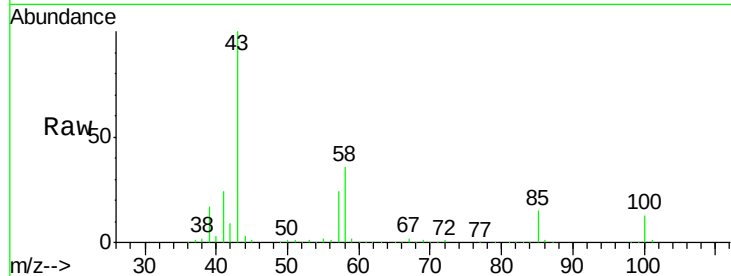
58 36.4 30.2 45.2

Manual Integrations

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MMDadoda

10/4/2019 9:30:23 AM



#52

Toluene

Concen: 19.049 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058510.D

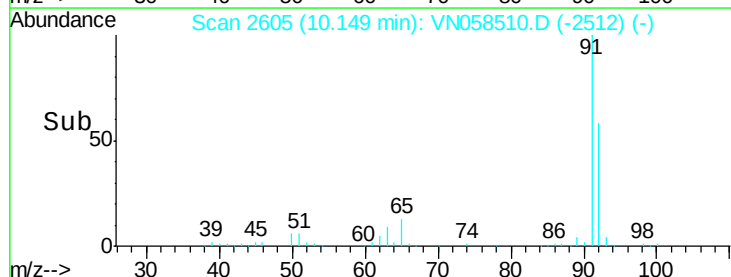
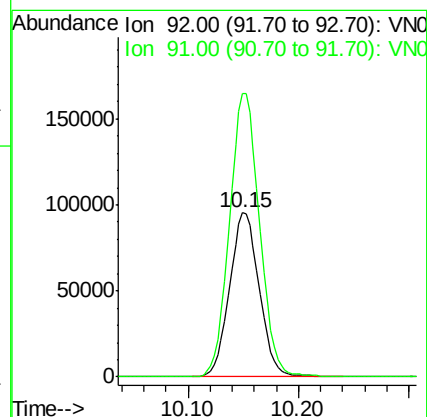
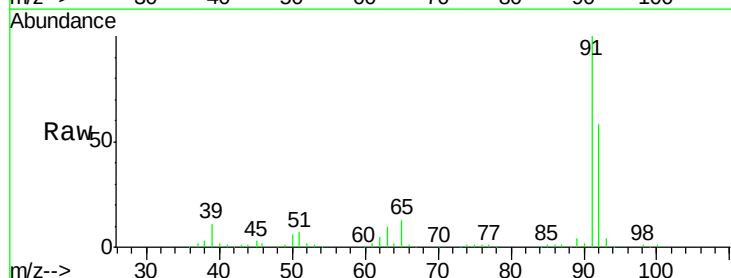
Acq: 3 Oct 2019 15:21

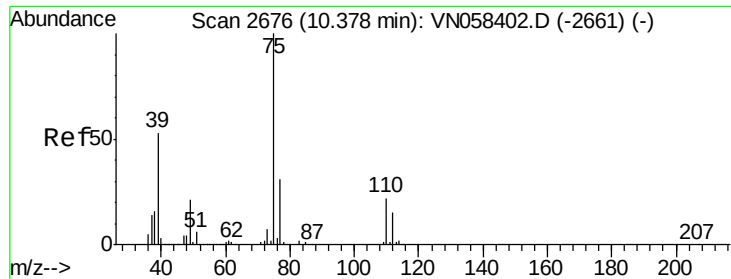
Tgt Ion: 92 Resp: 177940

Ion Ratio Lower Upper

92 100

91 174.9 140.2 210.4





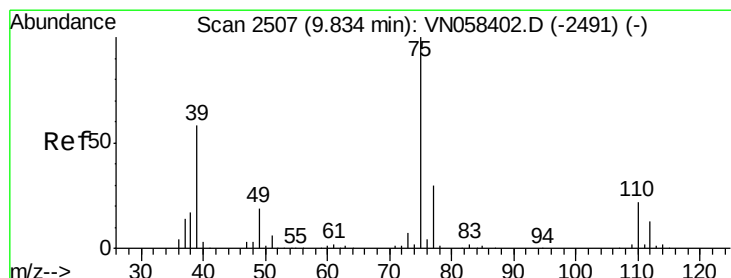
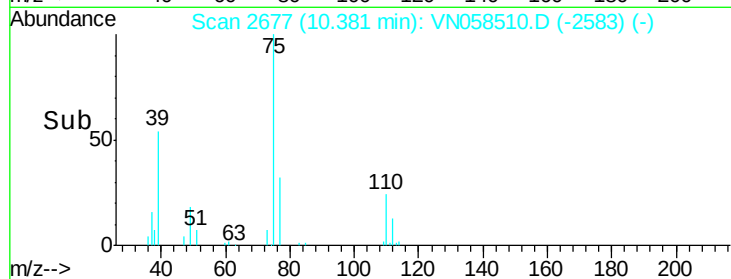
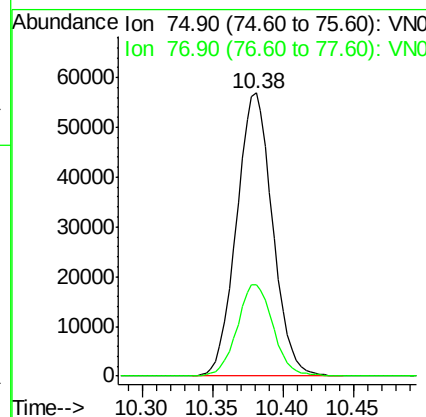
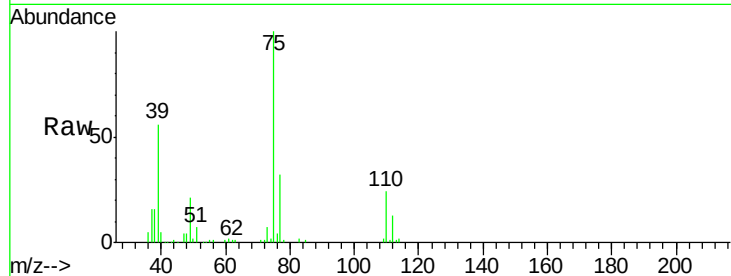
#53
t-1,3-Dichloropropene
Concen: 19.579 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Tot Ion: 75 Resp: 101772
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8

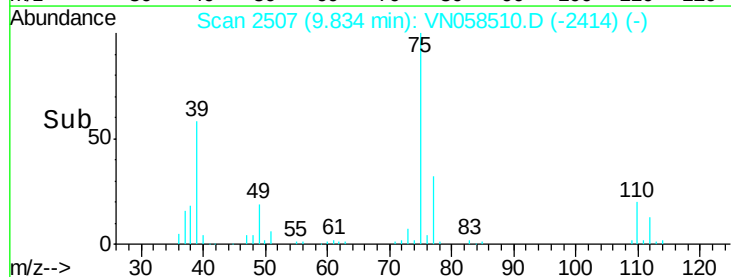
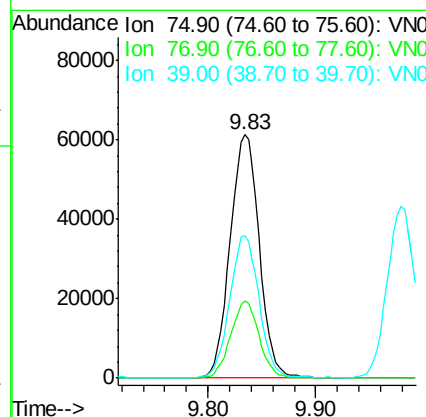
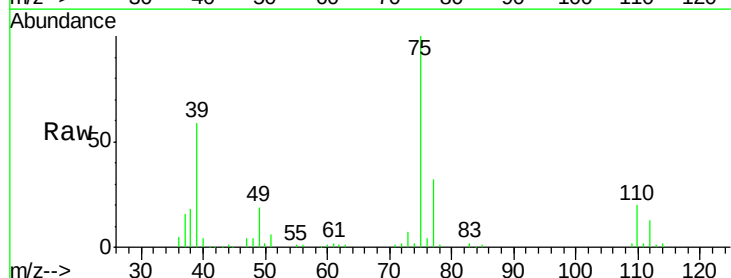
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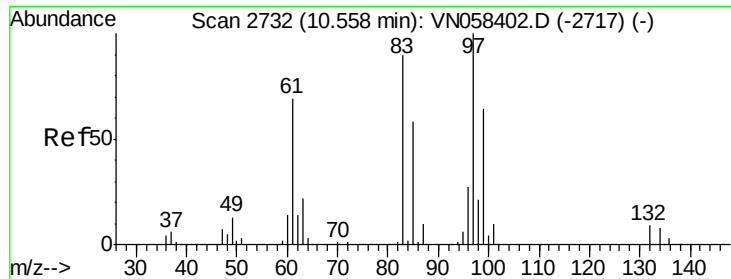
MMDadoda
10/4/2019 9:30:23 AM



#54
cis-1,3-Dichloropropene
Concen: 20.063 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Tgt Ion: 75 Resp: 115763
Ion Ratio Lower Upper
75 100
77 31.9 24.2 36.4
39 58.4 46.4 69.6





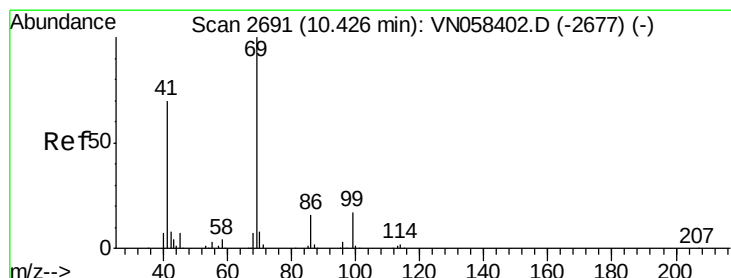
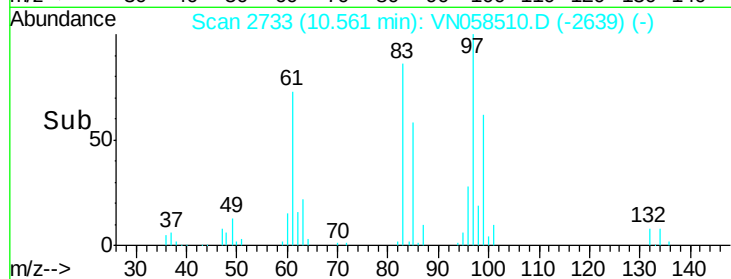
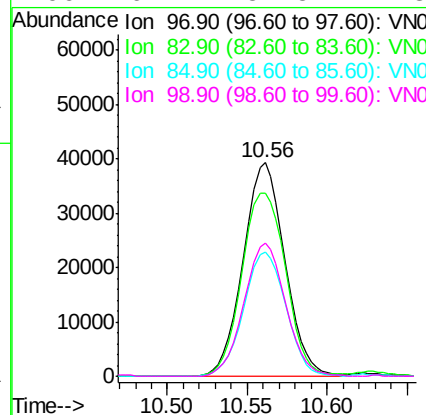
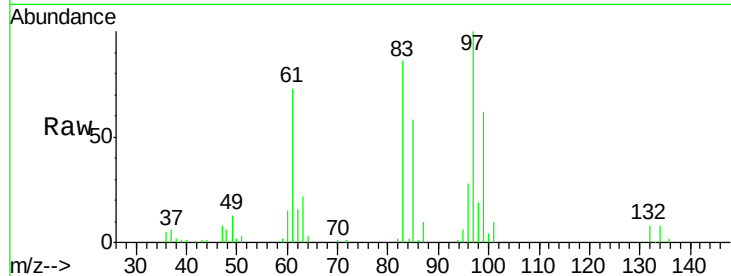
#55
 1,1,2-Trichloroethane
 Concen: 20.569 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003WBSD01

Tot Ion:	97	Resp:	69958
Ion	Ratio	Lower	Upper
97	100		
83	85.7	71.8	107.6
85	58.0	46.6	69.8
99	62.4	51.5	77.3

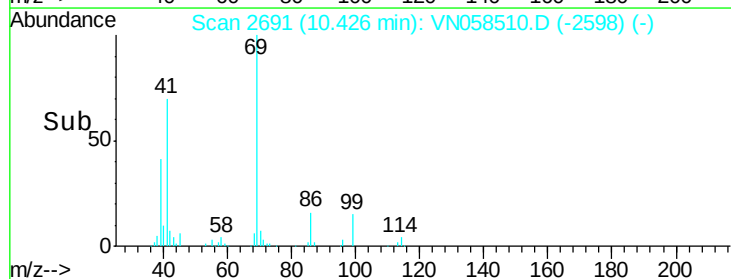
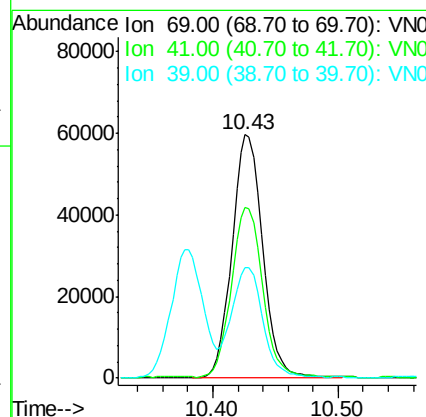
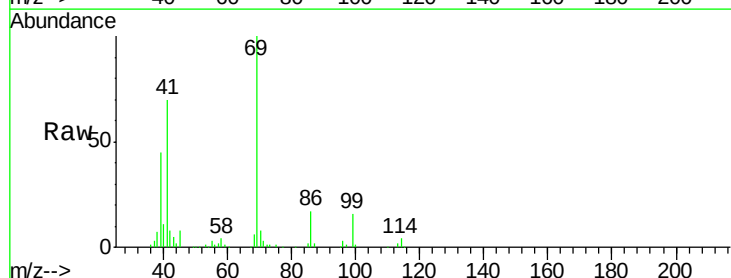
Manual Integrations
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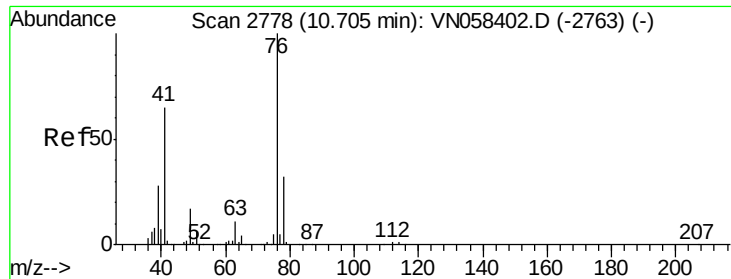
MMDadoda
 10/4/2019 9:30:23 AM



#56
 Ethyl methacrylate
 Concen: 19.677 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Tgt Ion:	69	Resp:	101553
Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.3	84.5
39	46.3	35.8	53.6





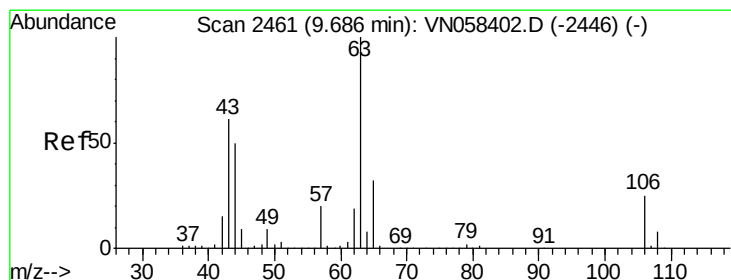
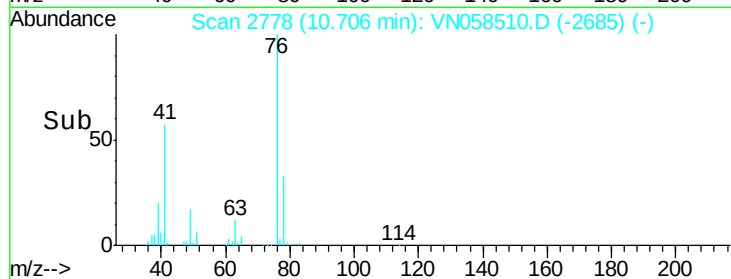
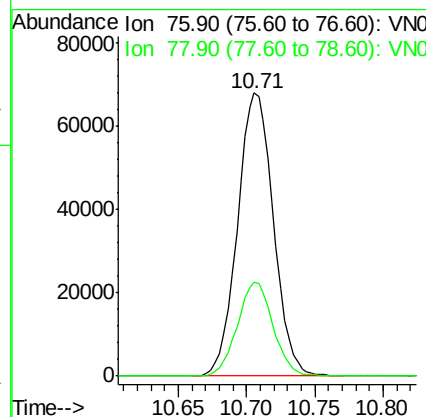
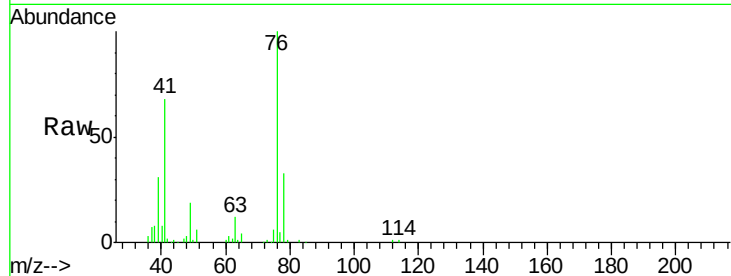
#57
 1,3-Dichloropropane
 Concen: 20.401 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.7	38.5

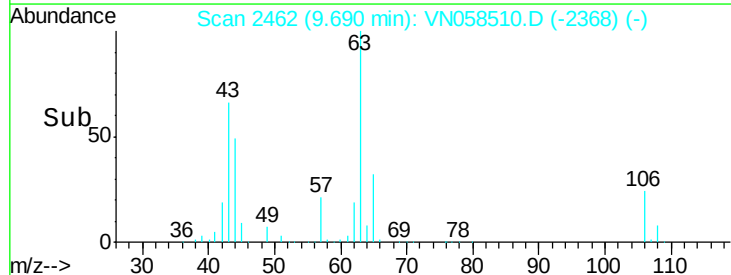
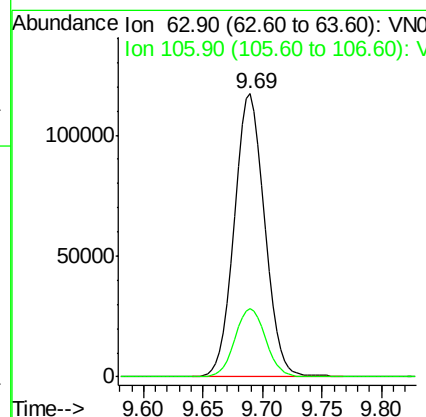
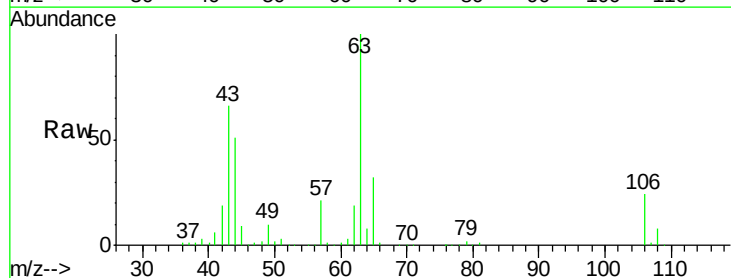
Manual Integrations
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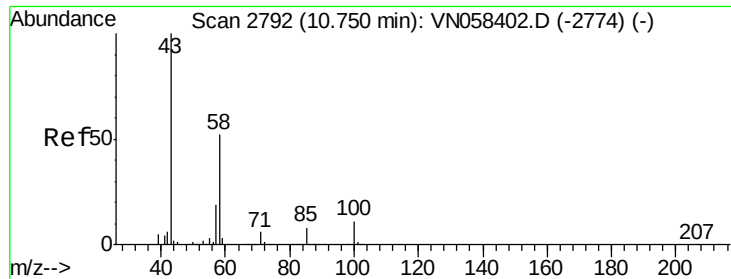
MMDadoda
 10/4/2019 9:30:23 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.888 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.4	20.3	30.5





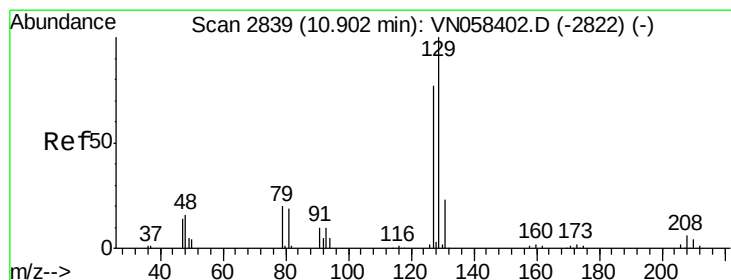
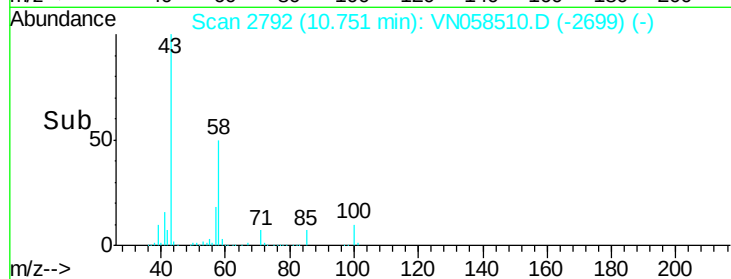
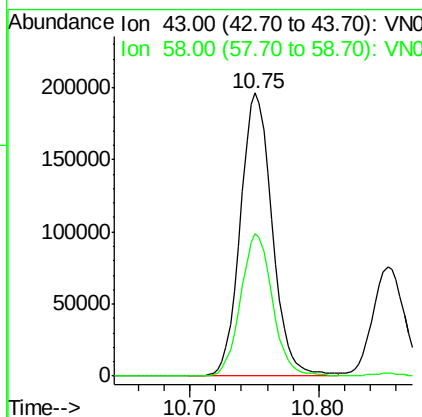
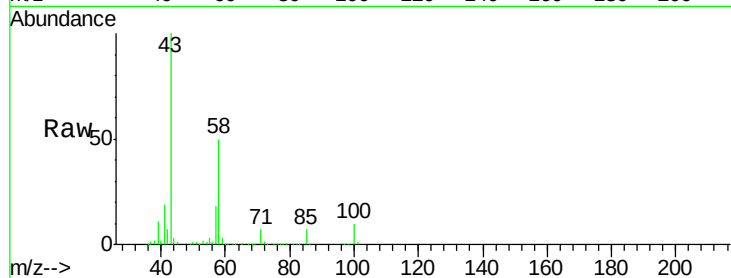
#59
2-Hexanone
Concen: 109.186 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Tot Ion: 43 Resp: 336146
Ion Ratio Lower Upper
43 100
58 50.6 25.8 77.3

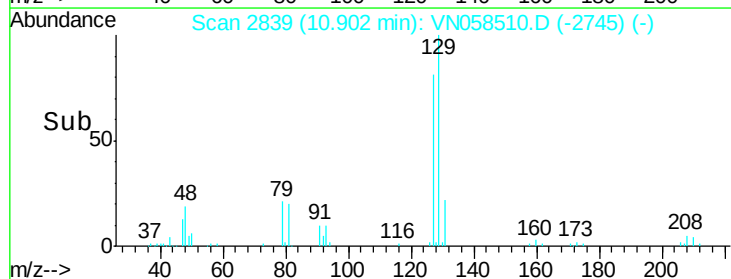
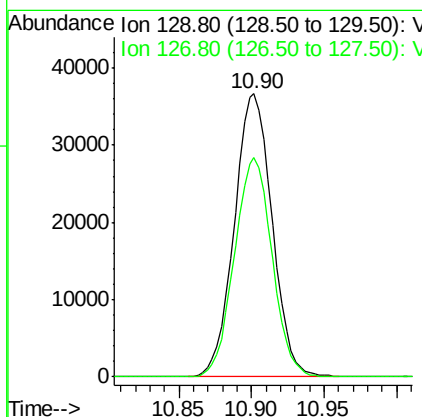
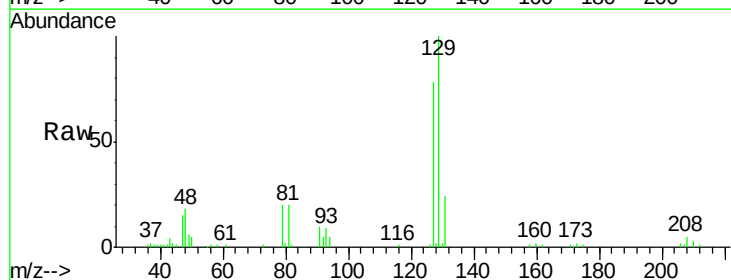
Manual Integrations
APPROVED

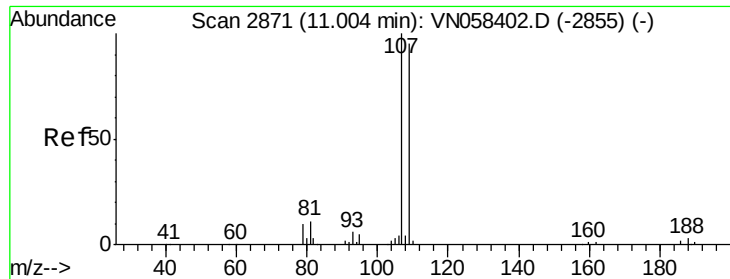
MMDadoda
10/4/2019 9:30:23 AM



#60
Dibromochloromethane
Concen: 18.505 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Tgt Ion: 129 Resp: 66403
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8





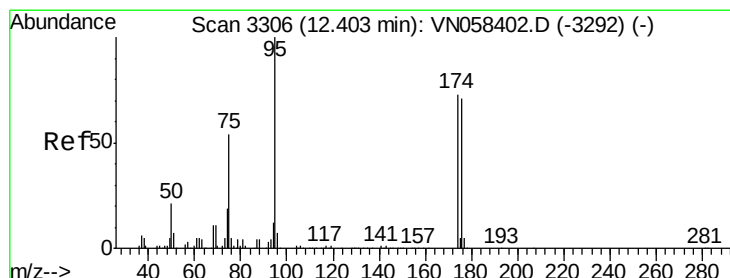
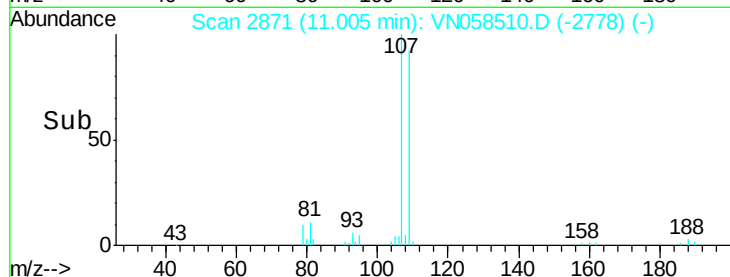
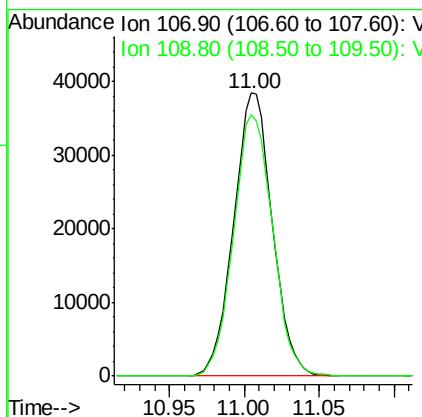
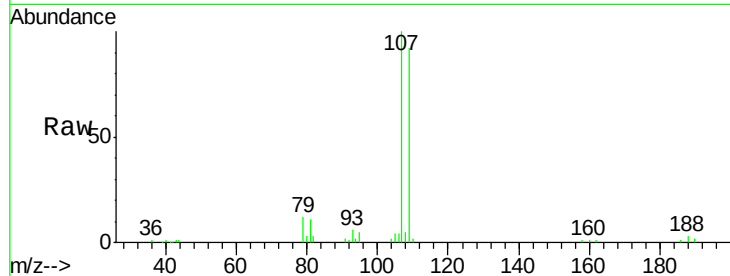
#61
 1,2-Dibromoethane
 Concen: 19.876 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.3	112.9

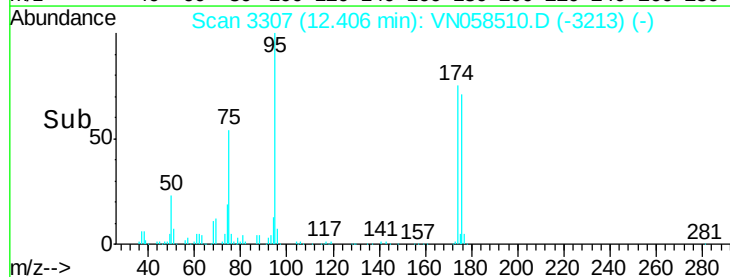
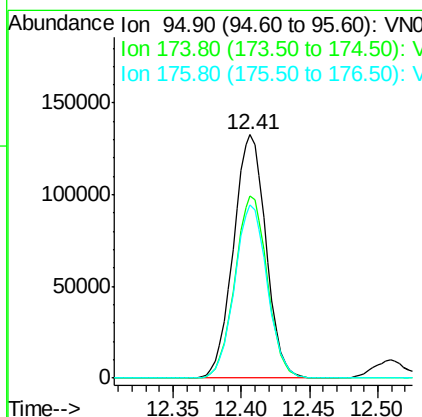
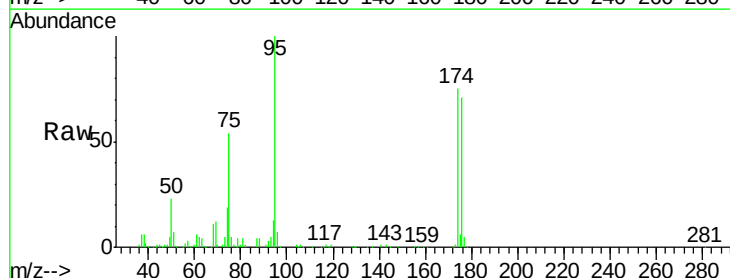
Manual Integrations
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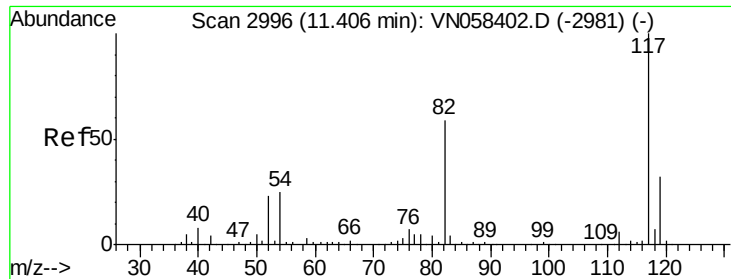
MMDadoda
 10/4/2019 9:30:23 AM



#62
 4-Bromofluorobenzene
 Concen: 46.911 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	150.6
176	71.4	0.0	146.2





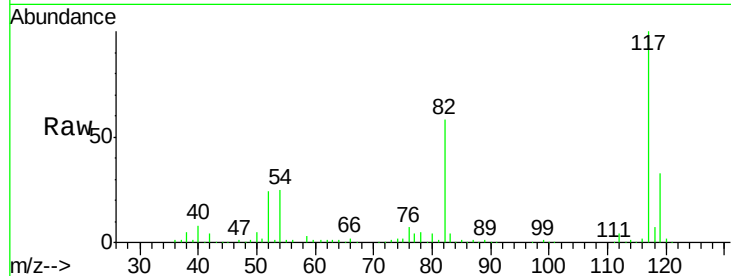
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.4	71.0
119	32.5	25.5	38.3

Manual Integrations
APPROVED

MMDadoda
10/4/2019 9:30:23 AM

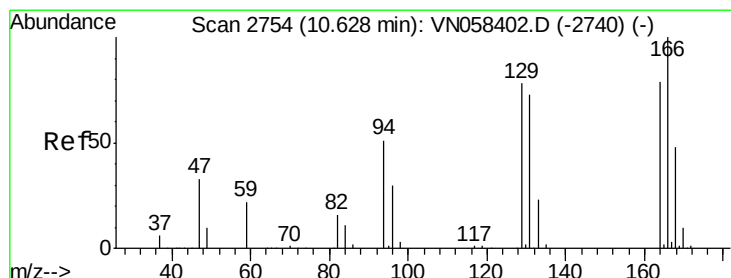
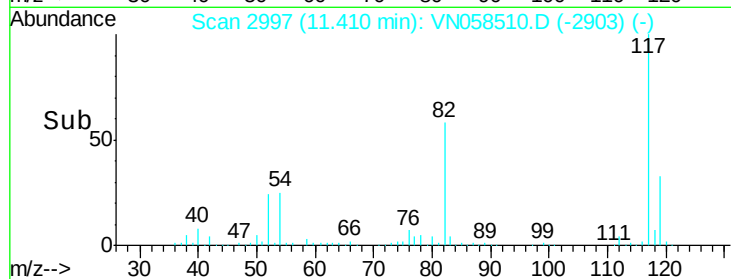
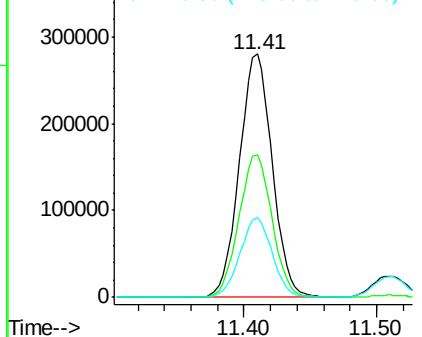


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.765 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	101.1	151.7
129	102.0	79.2	118.8
131	99.9	74.1	111.1

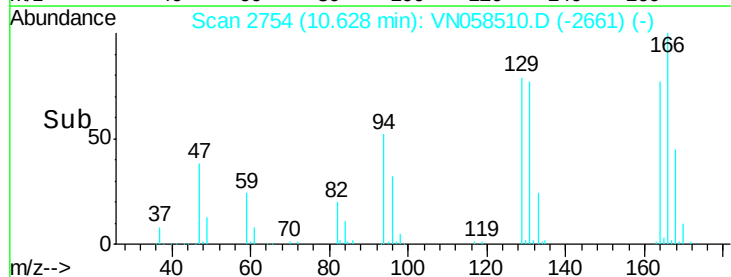
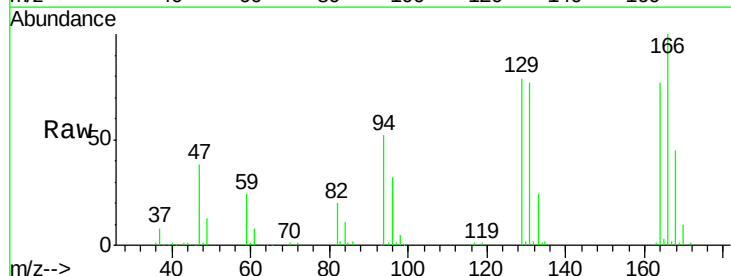
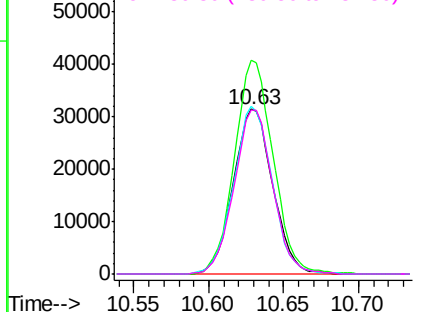
Abundance

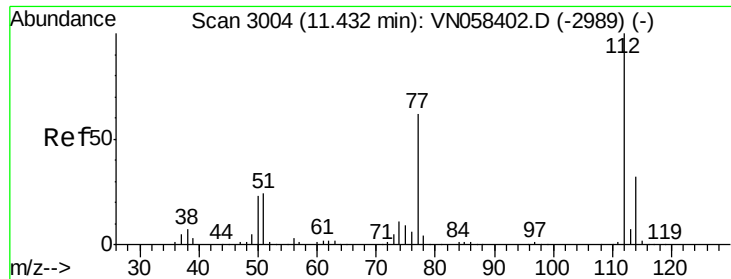
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





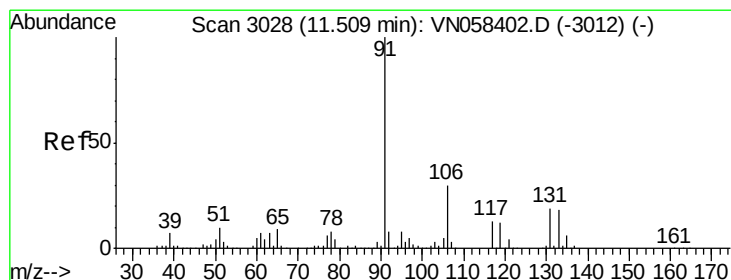
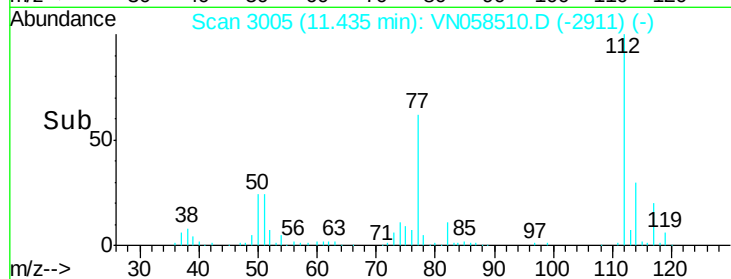
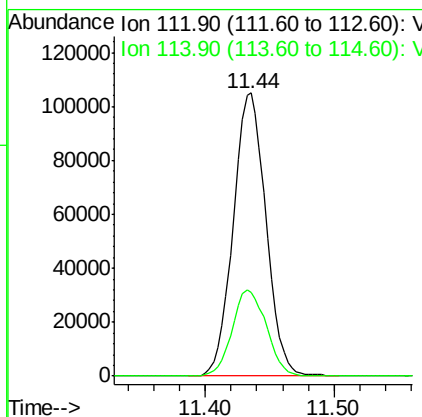
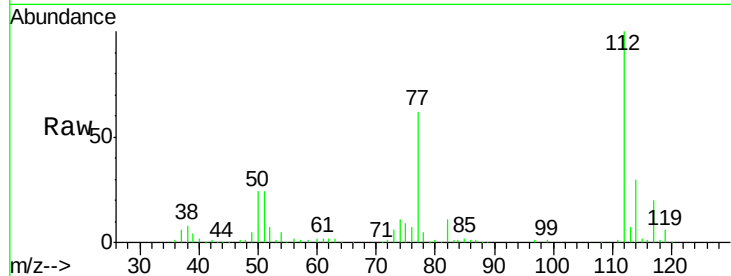
#65
Chlorobenzene
Concen: 19.295 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Tot Ion:112 Resp: 184974
Ion Ratio Lower Upper
112 100
114 29.6 25.4 38.2

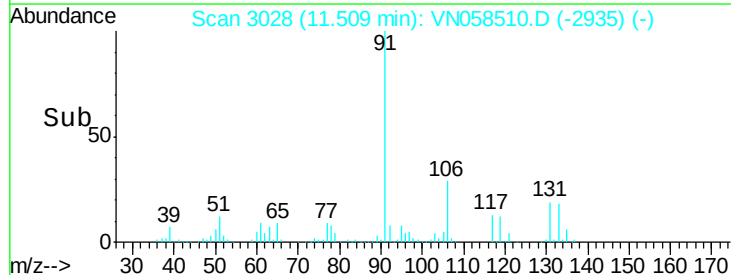
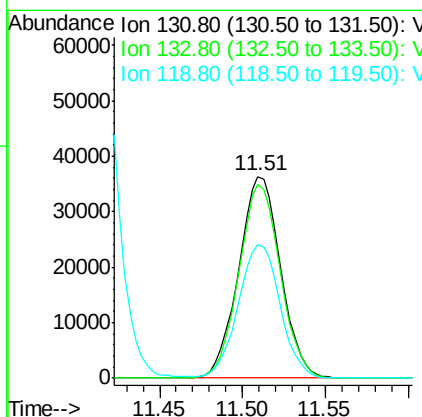
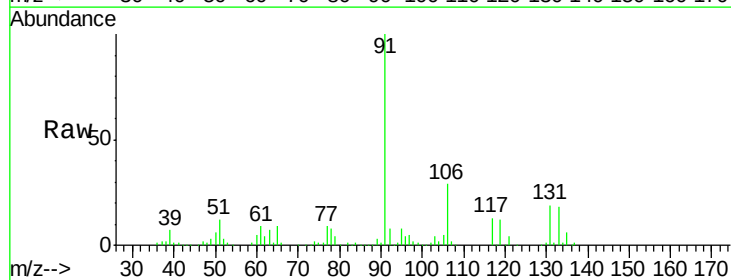
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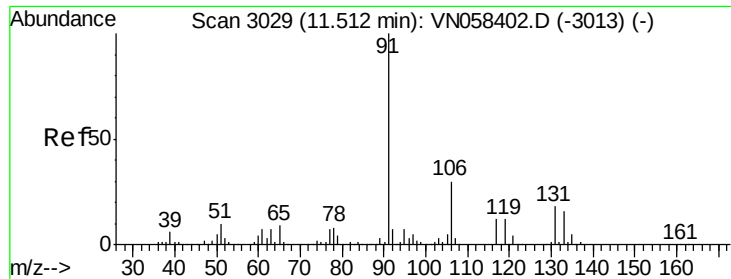
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.746 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Tgt Ion:131 Resp: 63777
Ion Ratio Lower Upper
131 100
133 94.9 47.8 143.3
119 66.7 33.0 99.0





#67

Ethyl Benzene

Concen: 19.663 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN1003WBSD01

Tot Ion: 91 Resp: 341428

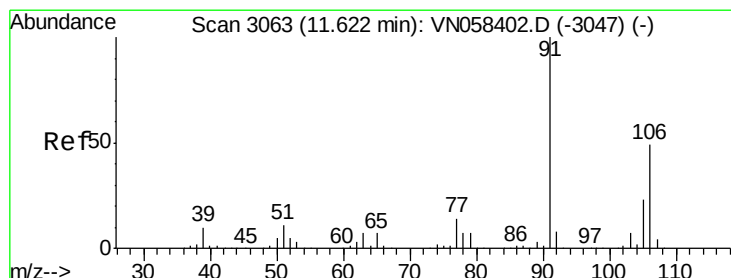
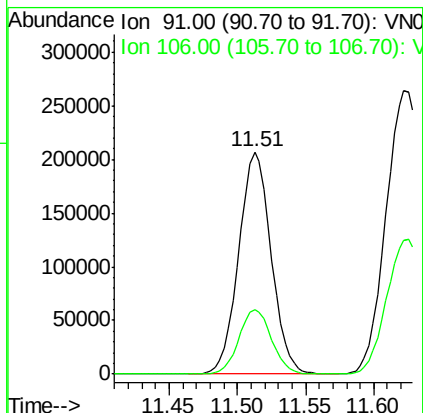
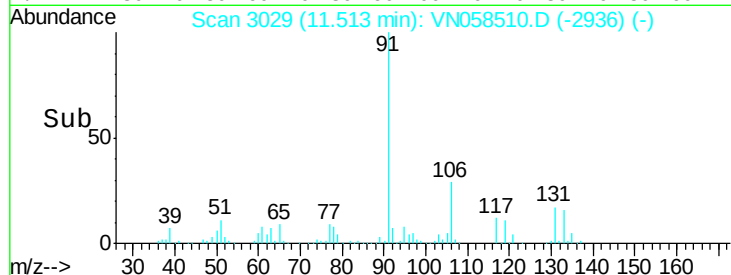
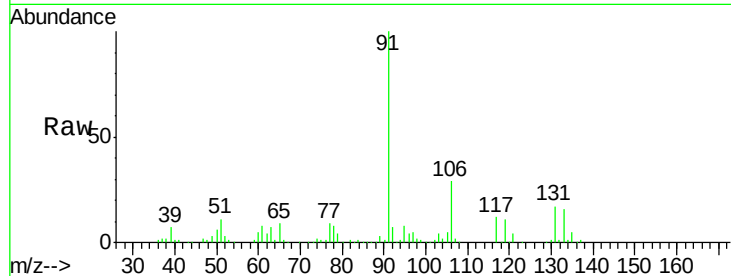
Ion Ratio Lower Upper

91 100

106 29.1 24.3 36.5

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 37.663 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN058510.D

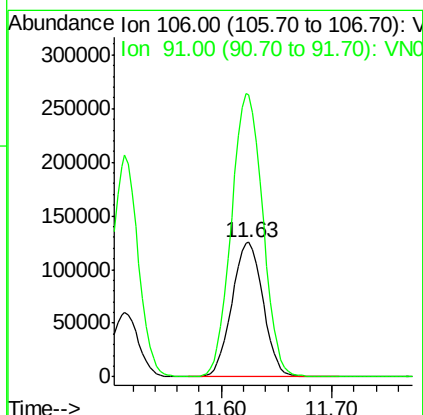
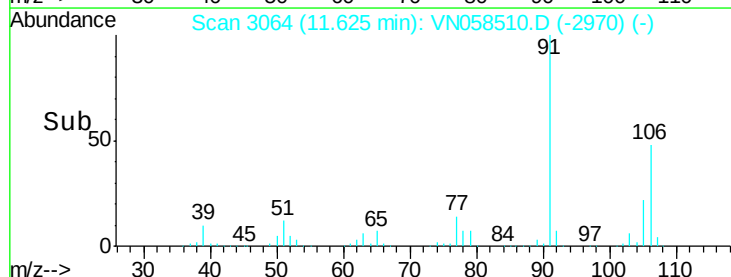
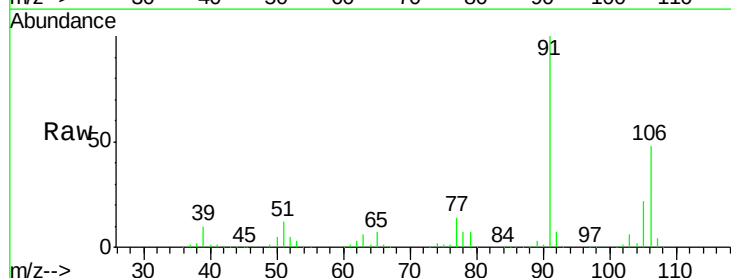
Acq: 3 Oct 2019 15:21

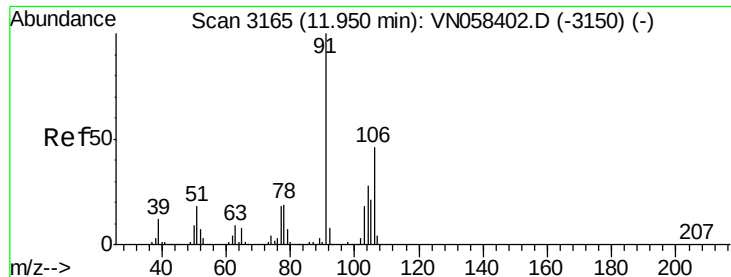
Tgt Ion: 106 Resp: 246057

Ion Ratio Lower Upper

106 100

91 211.5 165.0 247.4





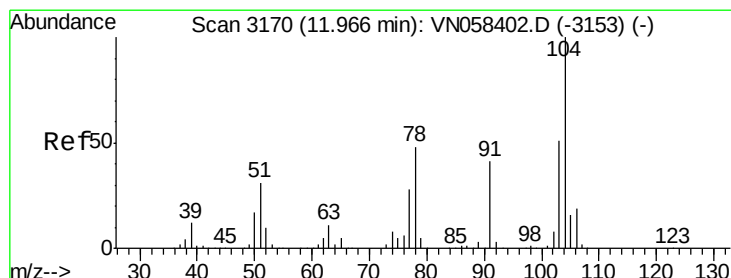
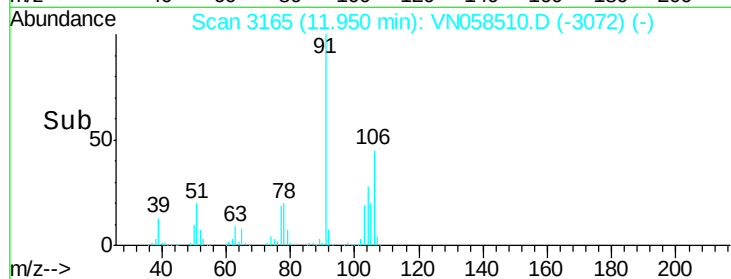
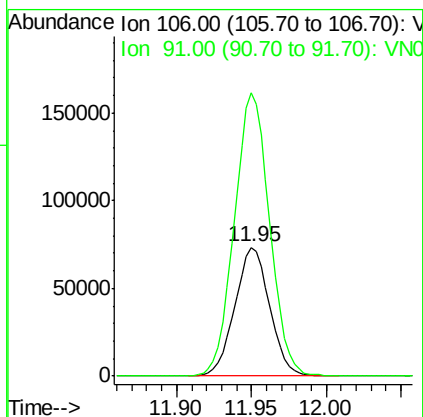
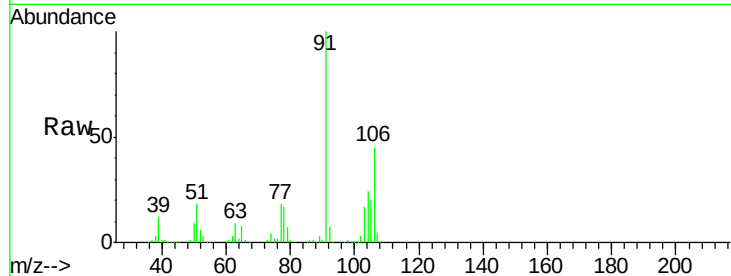
#69
o-Xylene
Concen: 18.956 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Instrument :
MSVOA_N
ClientSampled :
VN1003WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	119216		
91	91	221.8	109.1	327.4	

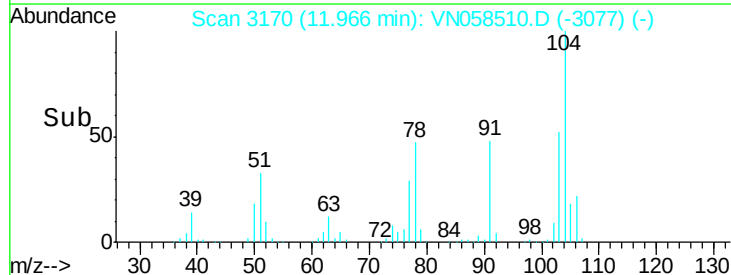
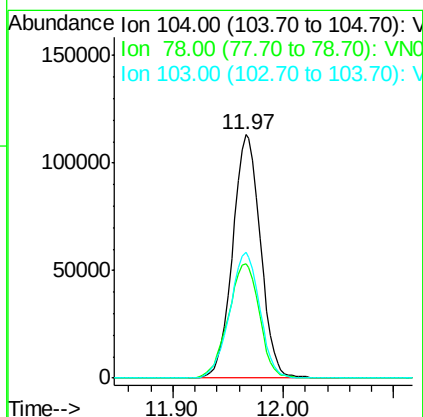
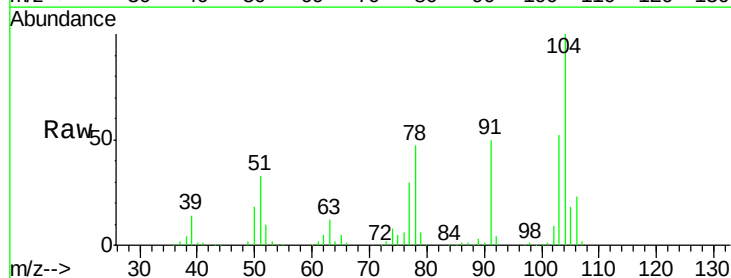
Manual Integrations
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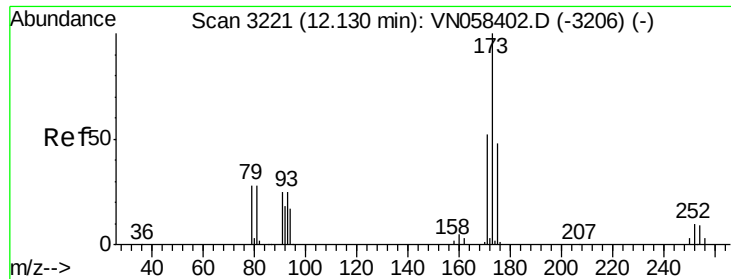
MMDadoda
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#70
Styrene
Concen: 19.411 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	198323		
78	78	52.6	42.8	64.2	
103	103	55.6	43.7	65.5	





#71

Bromoform

Concen: 17.825 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN1003WBSD01

Tot Ion:173 Resp: 38775

Ion Ratio Lower Upper

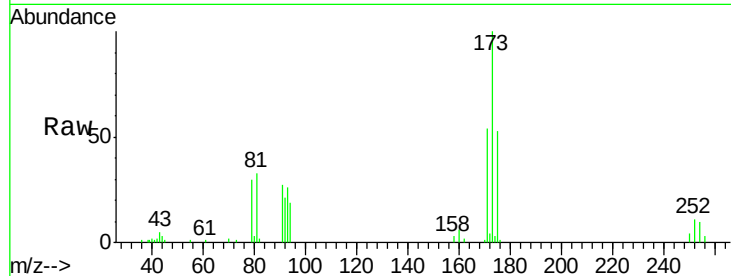
173 100

175 50.3 24.3 73.0

254 0.0 0.1 0.1#

Manual Integrations
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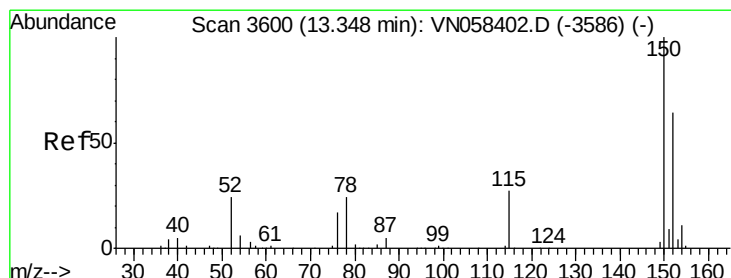
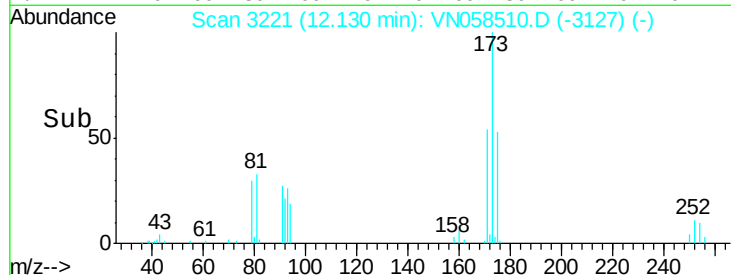
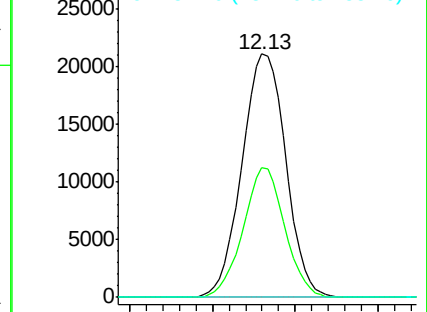
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

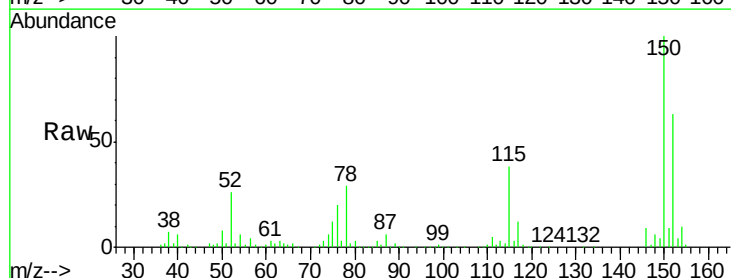
Tgt Ion:152 Resp: 220665

Ion Ratio Lower Upper

152 100

115 61.1 30.0 90.0

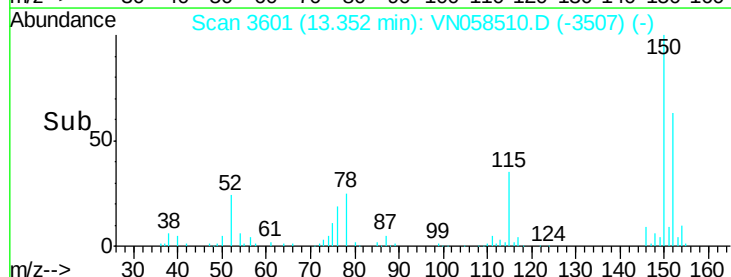
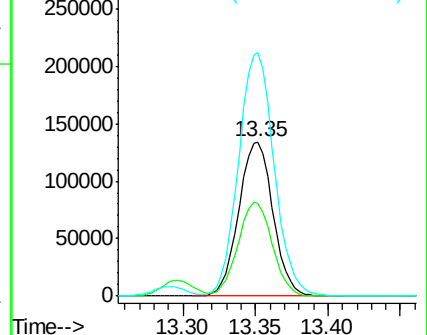
150 163.7 0.0 348.2

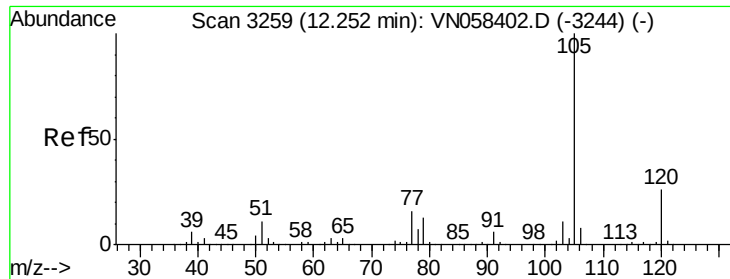


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.092 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN1003WBSD01

Tot Ion: 105 Resp: 327650

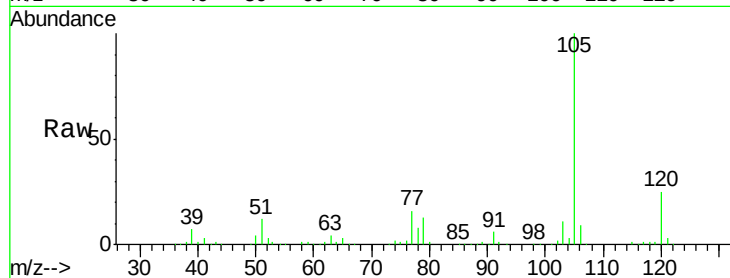
Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.4

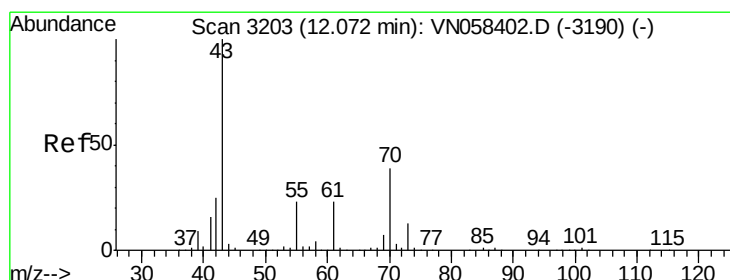
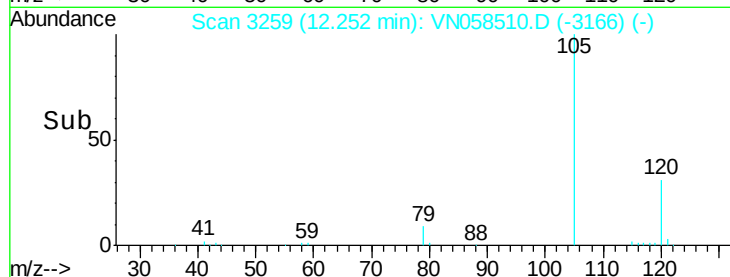
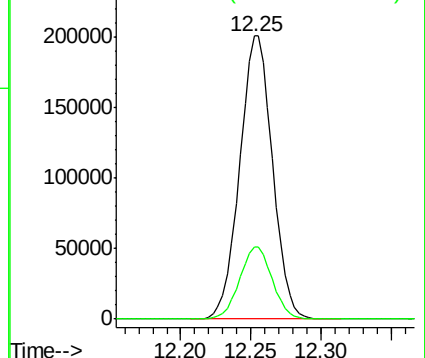
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.616 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Tgt Ion: 43 Resp: 120777

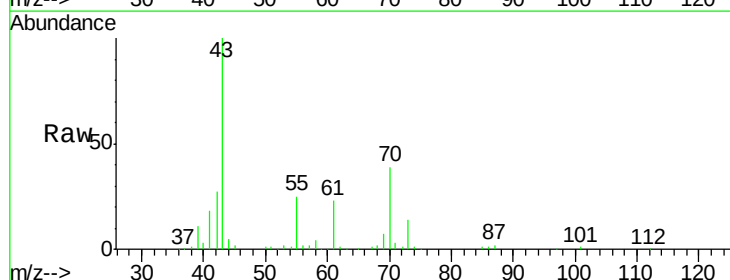
Ion Ratio Lower Upper

43 100

70 38.6 31.4 47.2

55 25.4 18.2 27.4

61 23.0 18.3 27.5

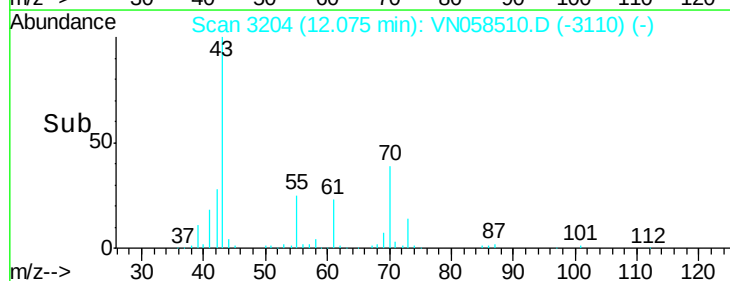
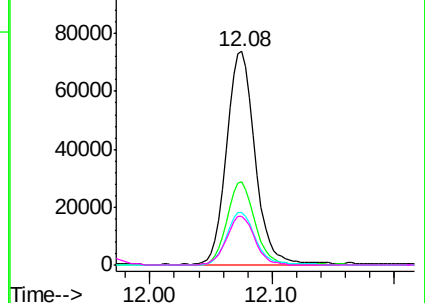


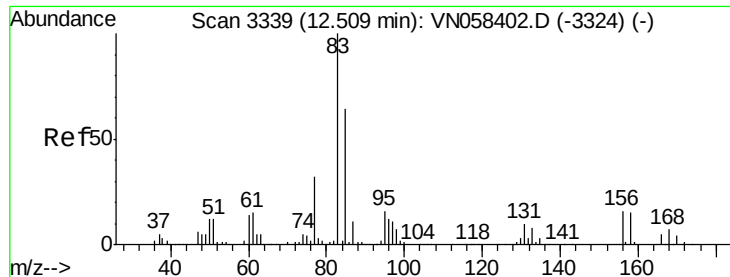
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.349 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

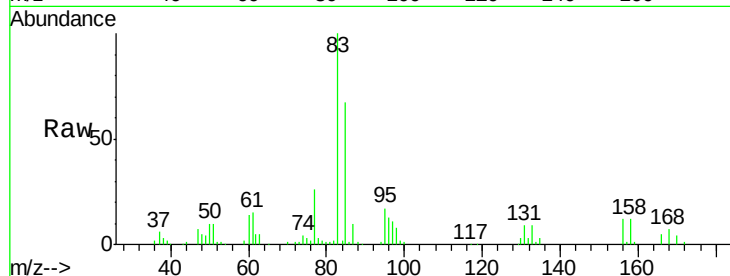
ClientSampleId :

VN1003WBSD01

Tot Ion:	83	Resp:	102951
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.7
85	63.6	32.0	96.0

Manual Integrations
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10/4/2019 9:30:23 AM



Abundance Ion 82.90 (82.60 to 83.60): VN058510.D (-3246) (-)

Ion 130.80 (130.50 to 131.50): VN058510.D (-3246) (-)

Ion 84.90 (84.60 to 85.60): VN058510.D (-3246) (-)

Time-->

12.51

60000

40000

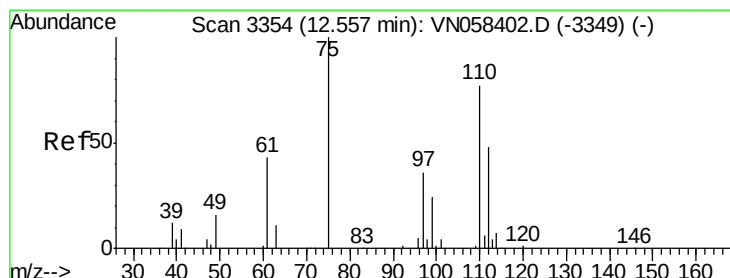
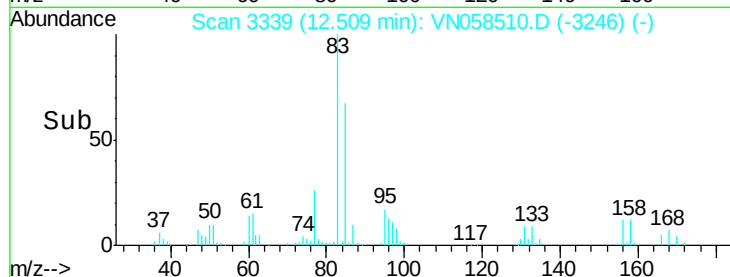
20000

0

12.45

12.50

12.55



#76

1,2,3-Trichloropropane

Concen: 20.716 ug/l m

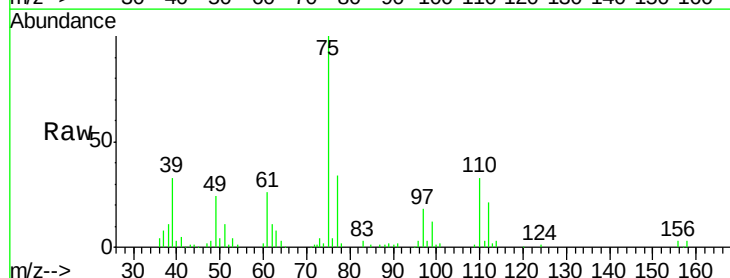
RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Tgt Ion:	75	Resp:	83497
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058510.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058510.D (-3261) (-)

Time-->

12.56

80000

60000

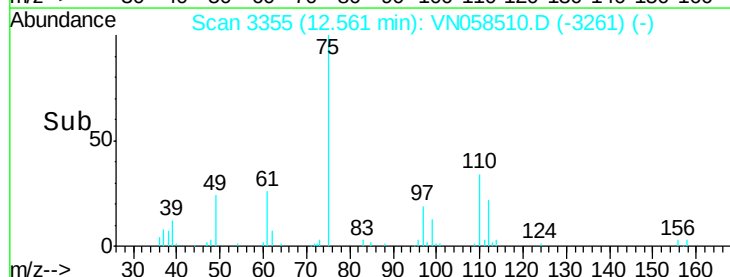
40000

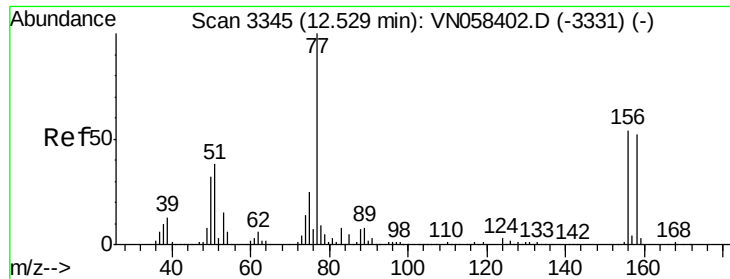
20000

0

12.55

12.60





#77

Bromobenzene

Concen: 18.851 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN1003WBSD01

Tot Ion:156 Resp: 72083

Ion Ratio Lower Upper

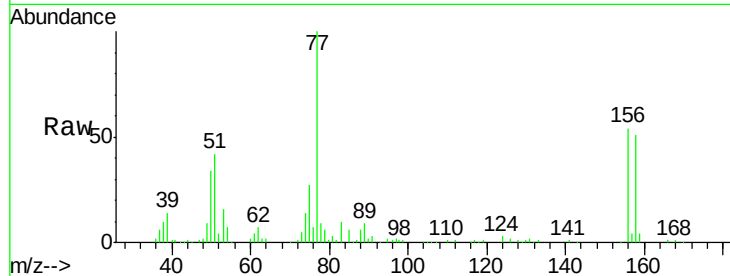
156 100

77 229.5 110.0 330.0

158 96.1 47.9 143.8

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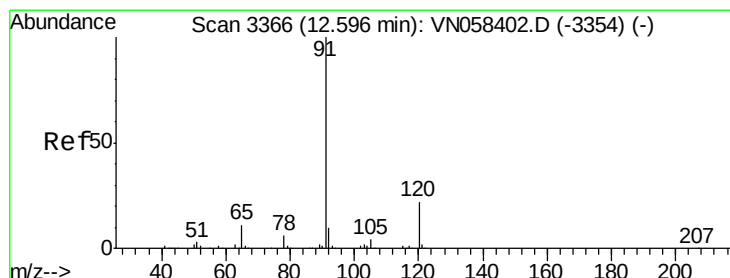
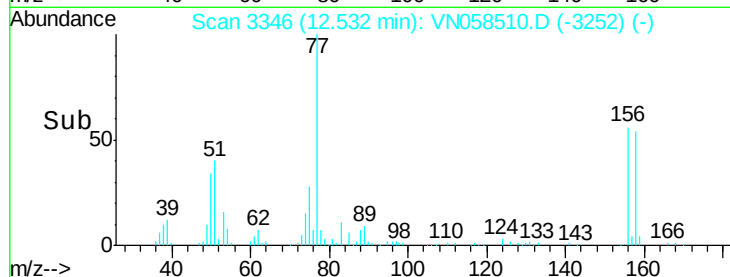
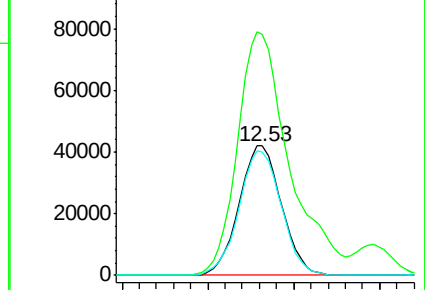
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.478 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058510.D

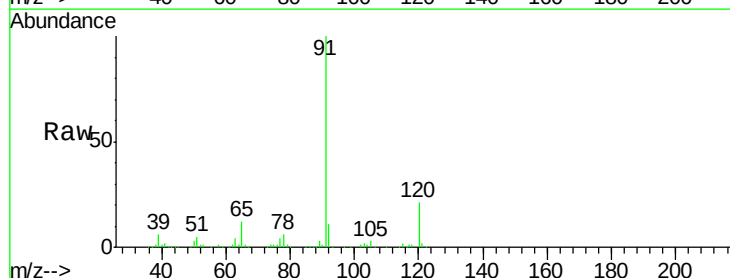
Acq: 3 Oct 2019 15:21

Tgt Ion: 91 Resp: 376227

Ion Ratio Lower Upper

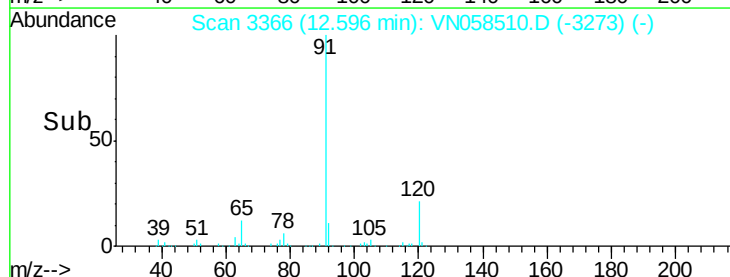
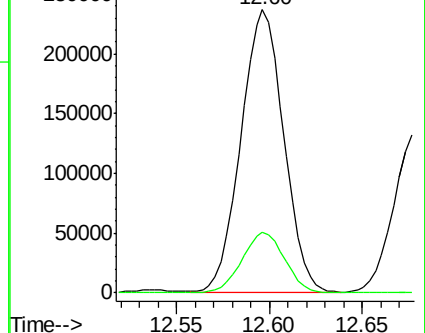
91 100

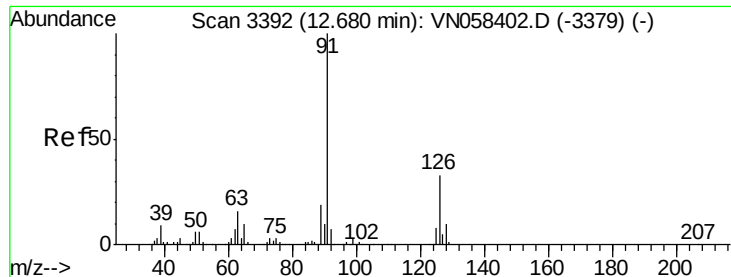
120 21.5 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.836 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

ClientSampled :

VN1003WBSD01

Tot Ion: 91 Resp: 224945

Ion Ratio Lower Upper

91 100

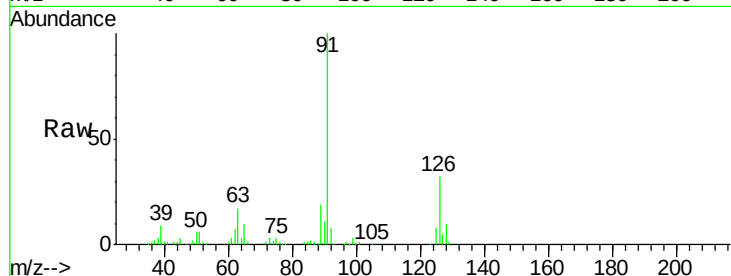
126 31.3 16.2 48.6

Manual Integrations

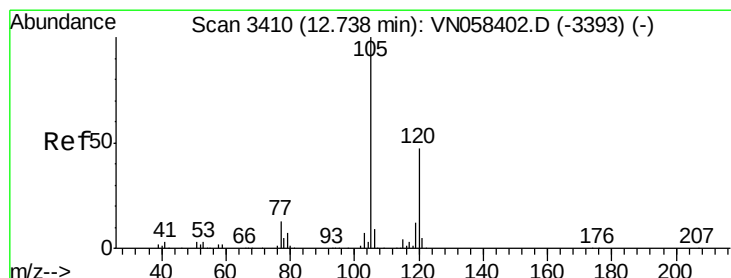
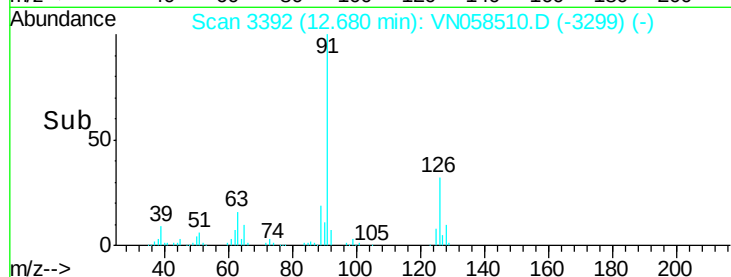
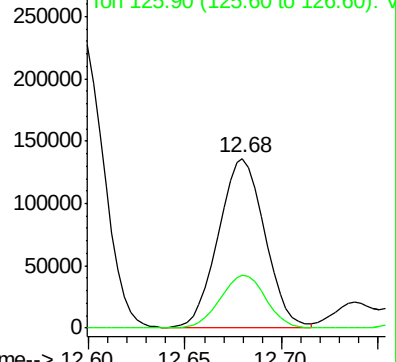
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Abundance Ion 91.00 (90.70 to 91.70): VN058510.D (-3299) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.371 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058510.D

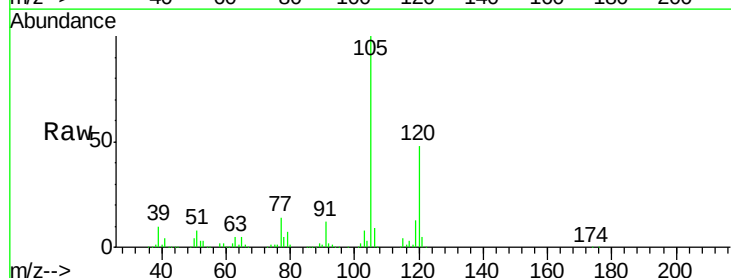
Acq: 3 Oct 2019 15:21

Tgt Ion: 105 Resp: 278082

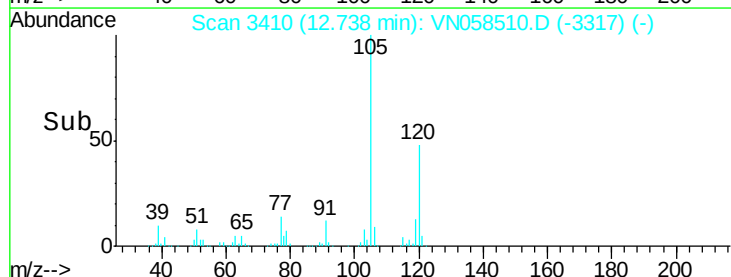
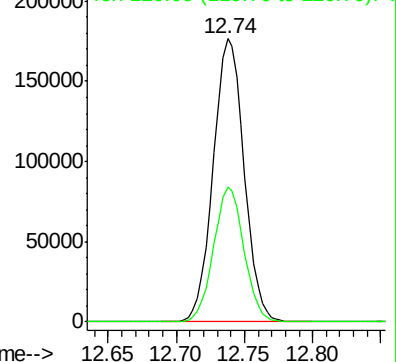
Ion Ratio Lower Upper

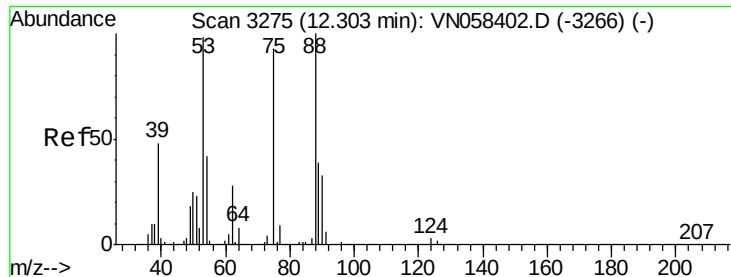
105 100

120 46.8 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058510.D (-3317) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.497 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

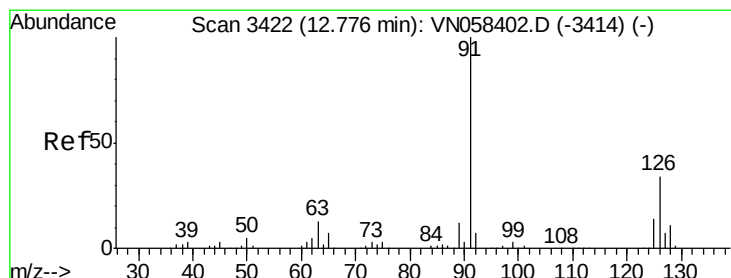
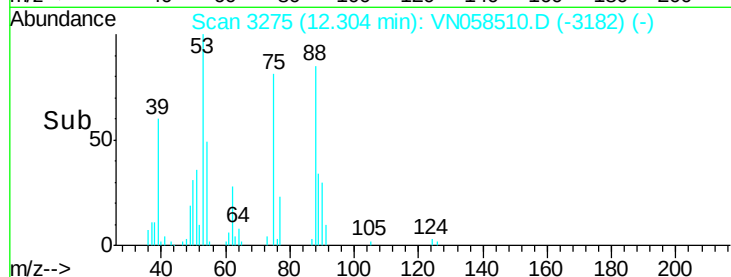
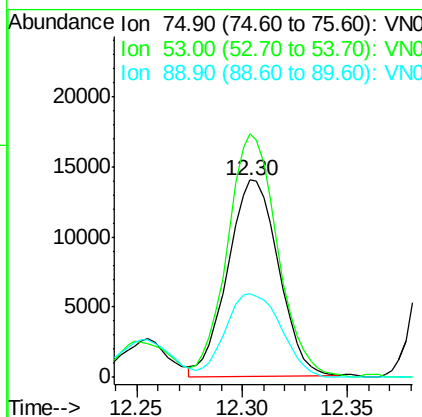
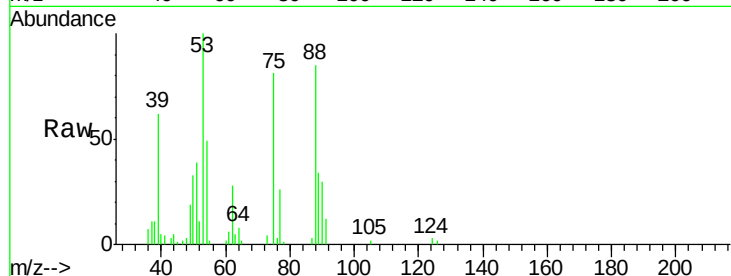
ClientSampleId :

VN1003WBSD01

Tot Ion:	75	Resp:	23220
Ion	Ratio	Lower	Upper
75	100		
53	123.3	85.4	128.0
89	47.0	35.0	52.4

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#82

4-Chlorotoluene

Concen: 19.145 ug/l

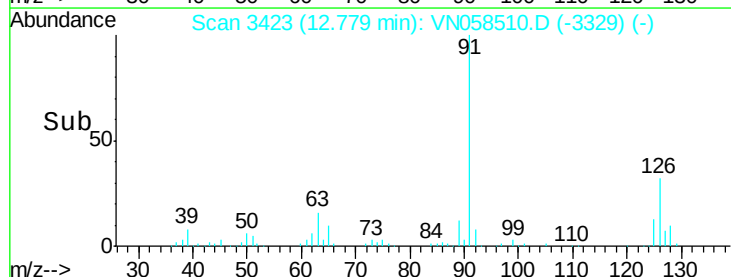
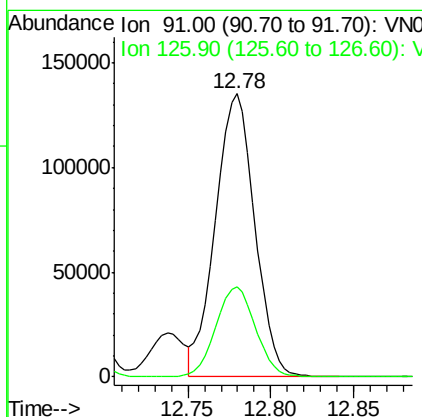
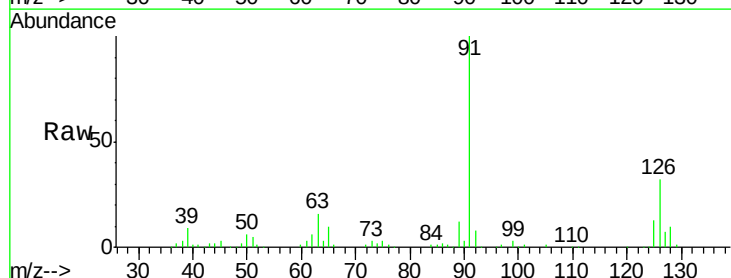
RT: 12.78 min Scan# 3423

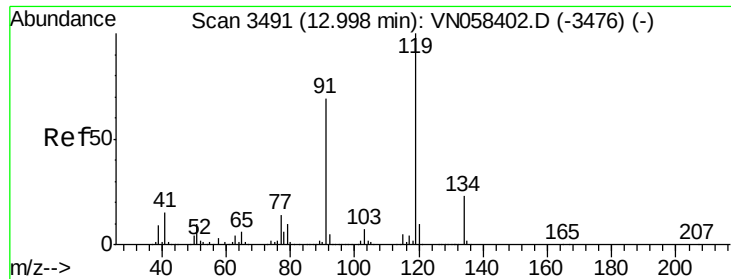
Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Tgt Ion:	91	Resp:	221532
Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.9	47.7





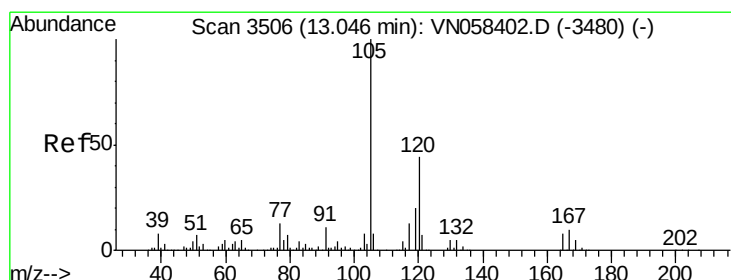
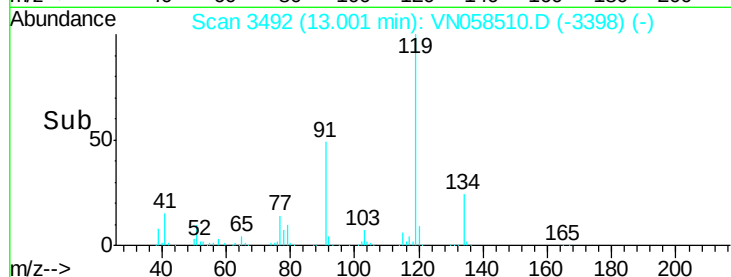
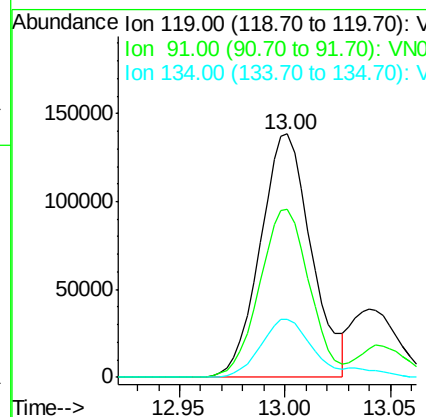
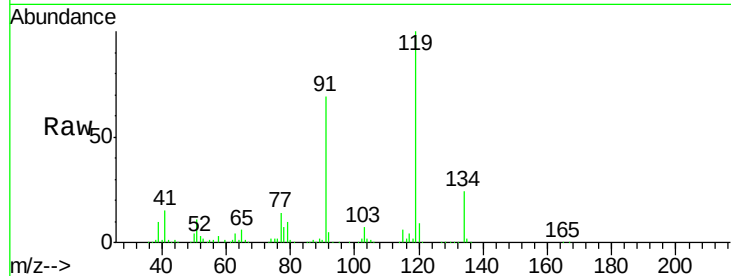
#83
 tert-Butylbenzene
 Concen: 20.240 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN1003WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	34.2	102.6
134	23.8	11.6	34.8

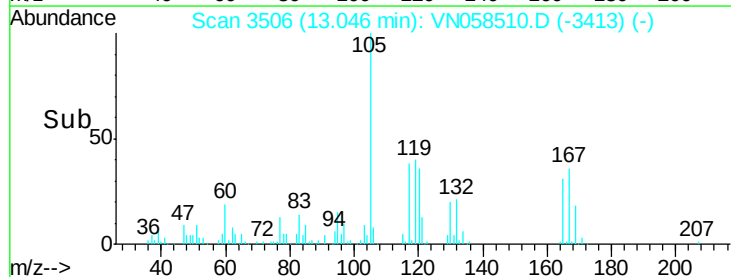
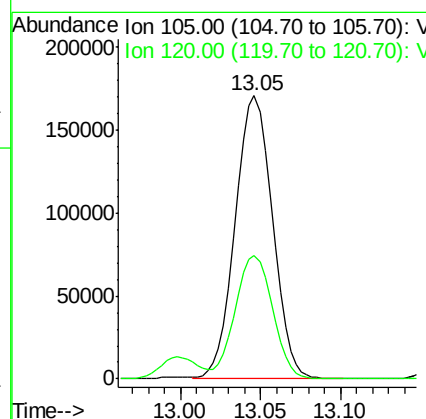
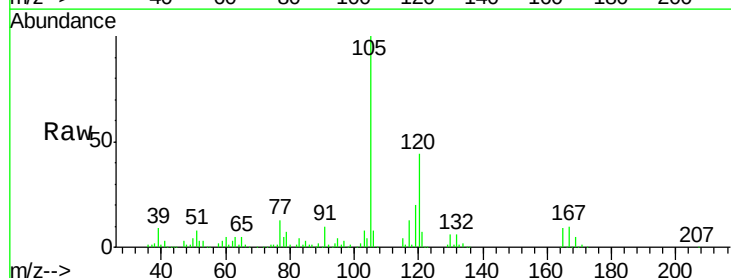
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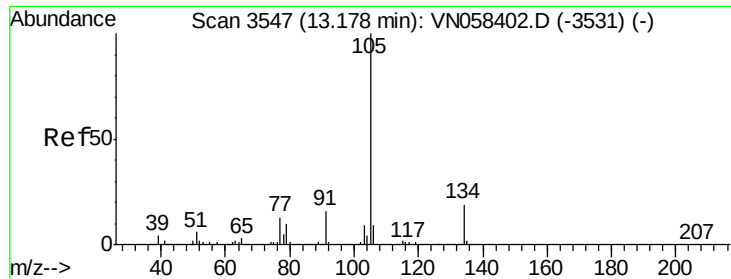
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.774 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.7	65.1





#85

sec-Butylbenzene

Concen: 20.598 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN1003WBSD01

Tot Ion:105 Resp: 312300

Ion Ratio Lower Upper

105 100

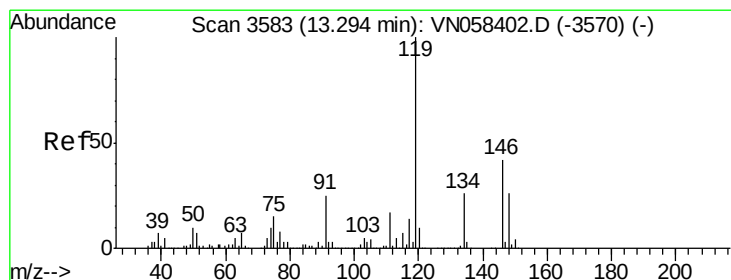
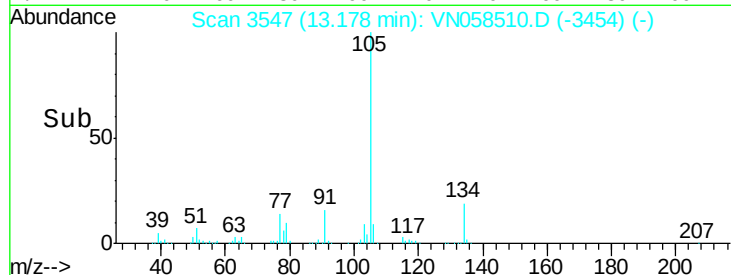
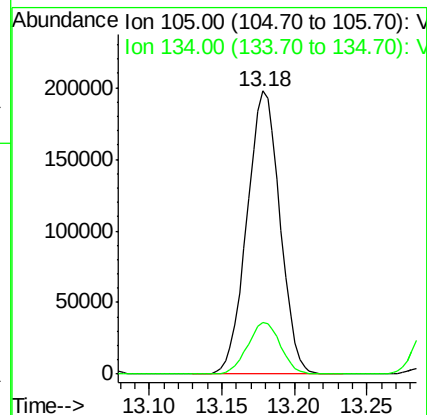
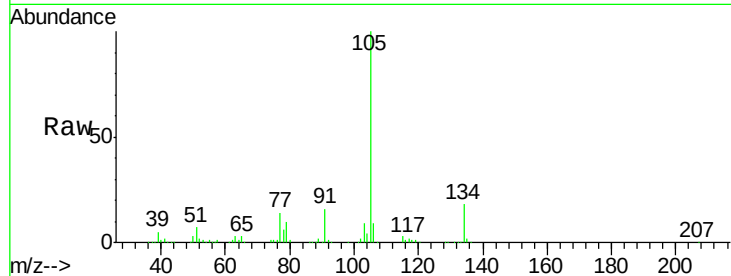
134 18.4 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 20.368 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

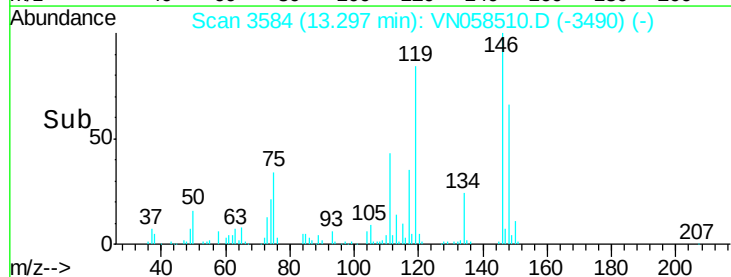
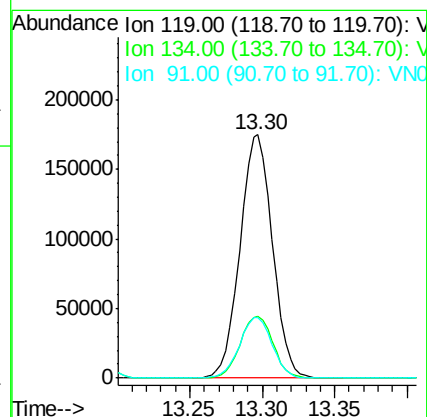
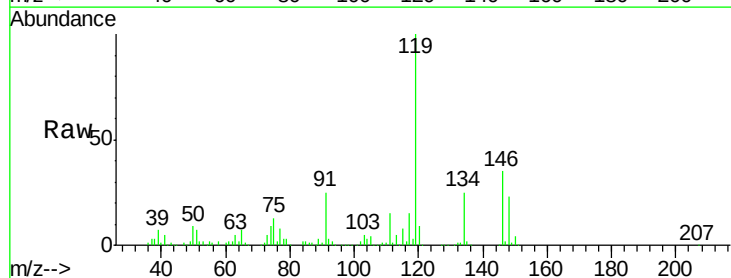
Tgt Ion:119 Resp: 271826

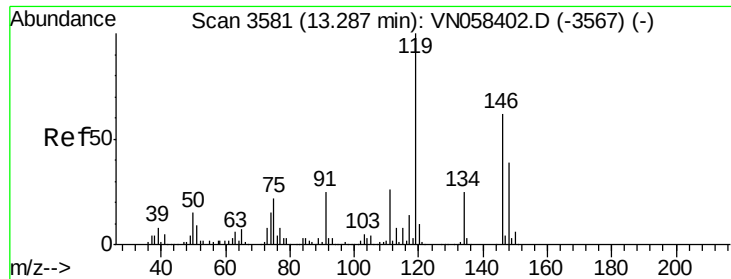
Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

91 25.0 12.4 37.0





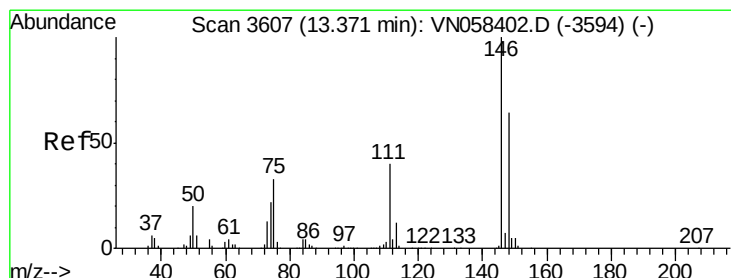
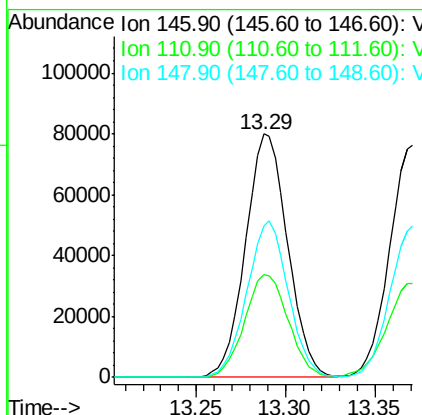
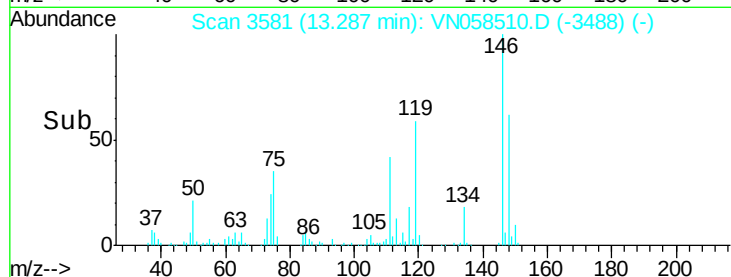
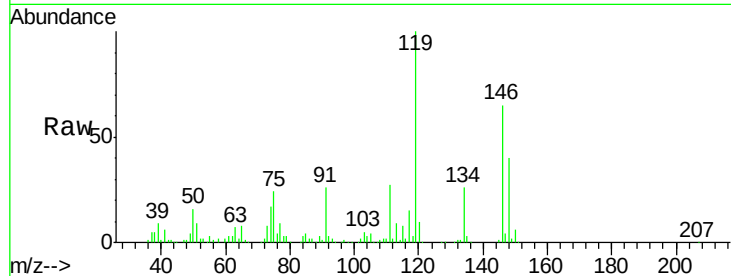
#87
 1,3-Dichlorobenzene
 Concen: 19.032 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	131958		
111	43.8	20.8	62.4	
148	63.1	31.4	94.3	

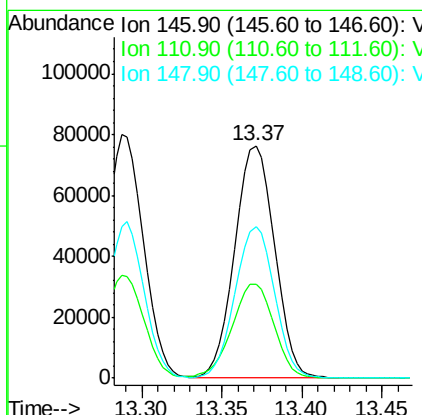
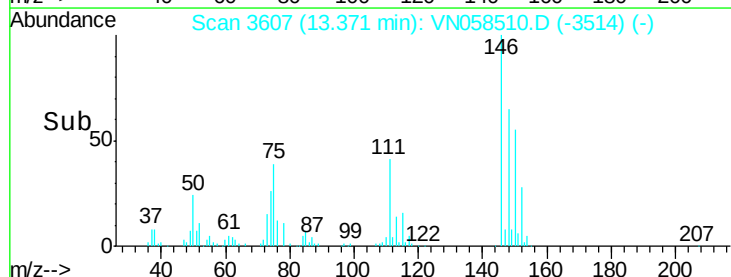
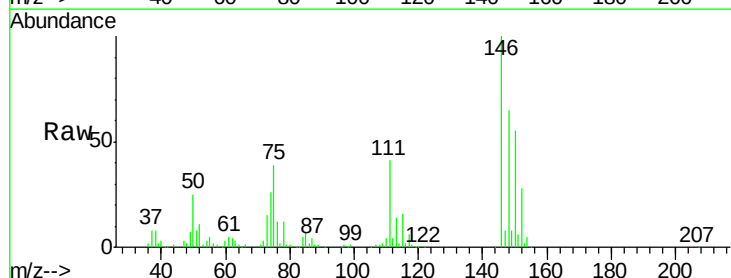
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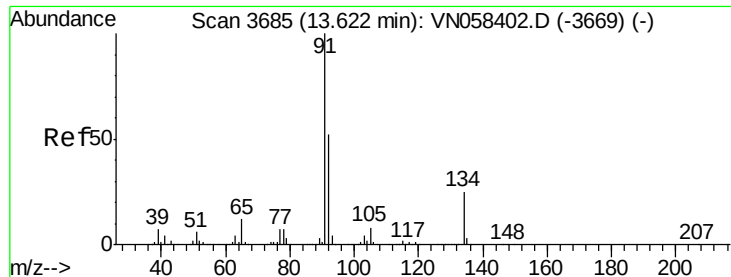
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#88
 1,4-Dichlorobenzene
 Concen: 18.687 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	128910		
111	43.3	20.5	61.6	
148	65.2	31.5	94.5	





#89

n-Butylbenzene

Concen: 19.957 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

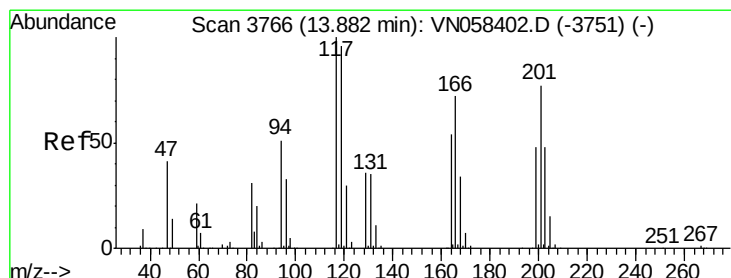
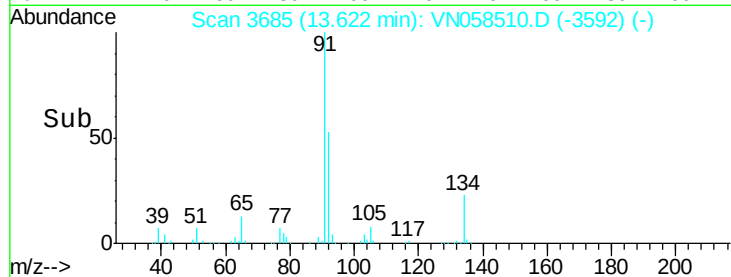
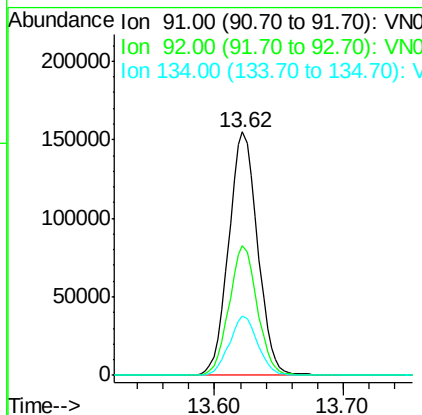
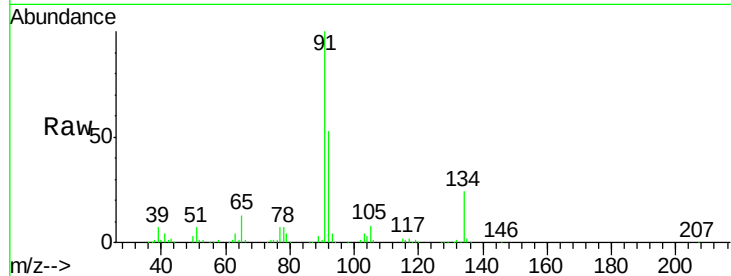
ClientSampleId :

VN1003WBSD01

Tot Ion:	91	Resp:	241268
Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.7	77.1
134	24.0	12.2	36.6

Manual Integrations
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#90

Hexachloroethane

Concen: 20.735 ug/l

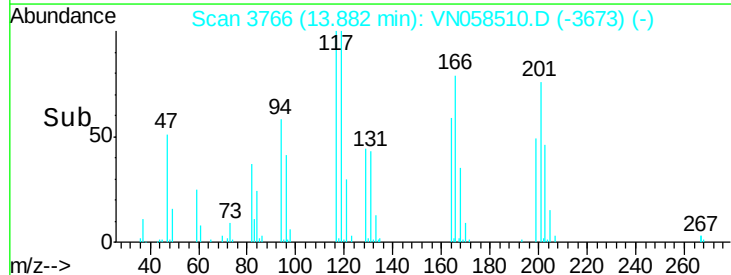
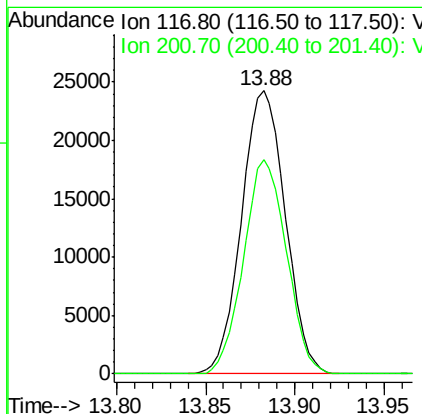
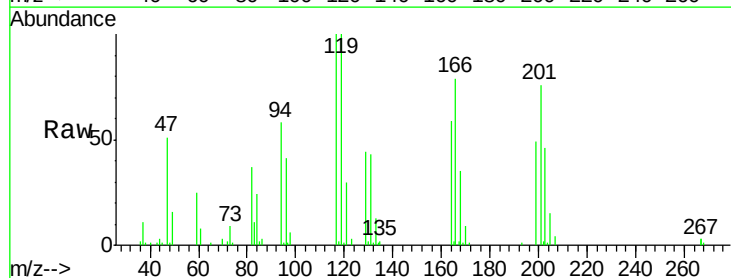
RT: 13.88 min Scan# 3766

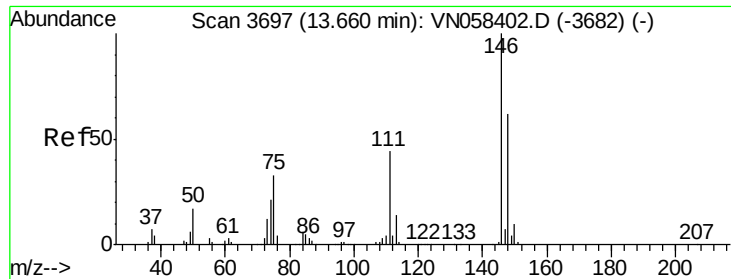
Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Tgt Ion:	117	Resp:	41578
Ion	Ratio	Lower	Upper
117	100		
201	74.1	38.6	116.0





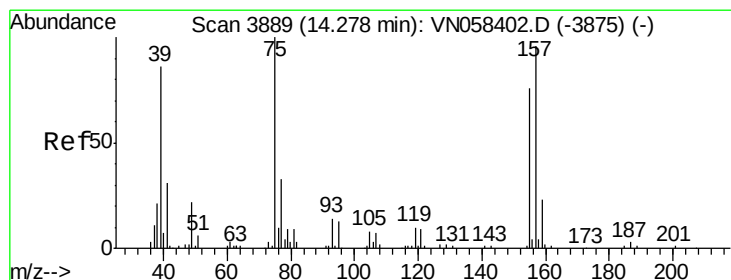
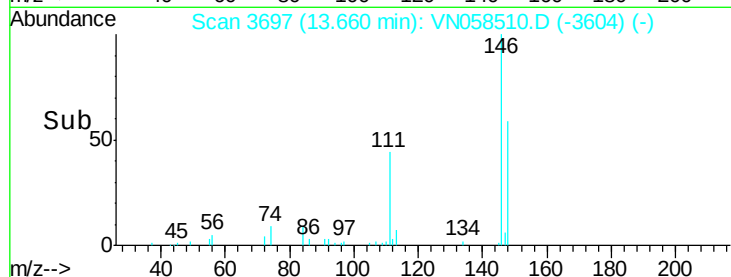
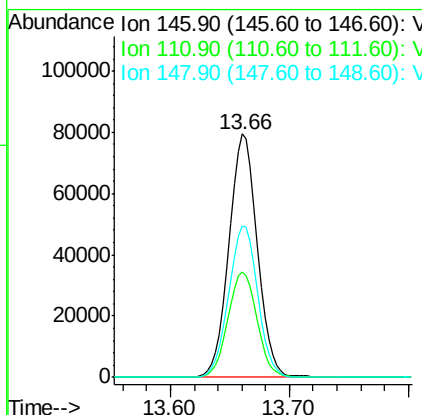
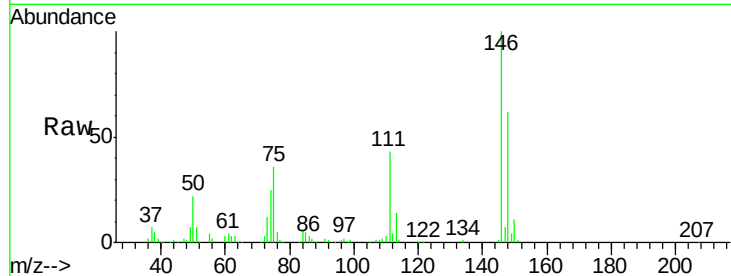
#91
 1,2-Dichlorobenzene
 Concen: 19.712 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.8	65.3
148	63.6	31.5	94.5

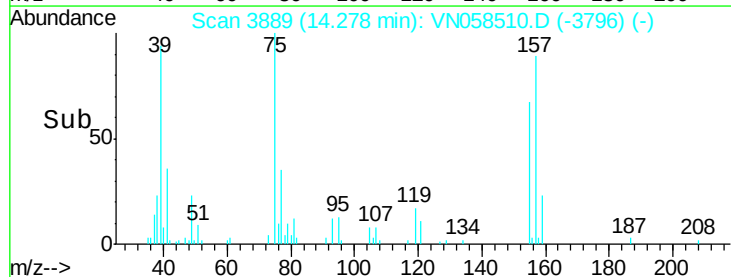
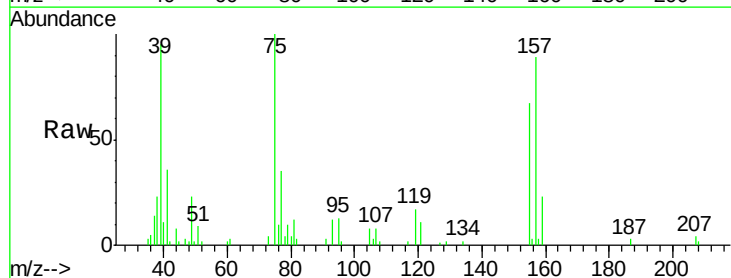
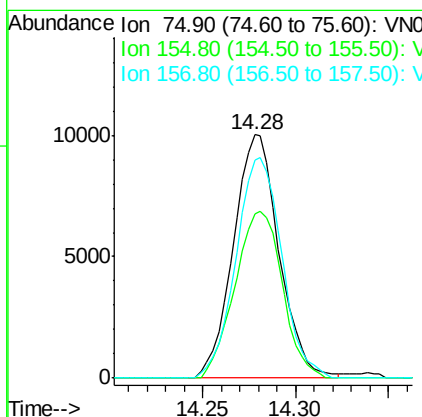
Manual Integrations
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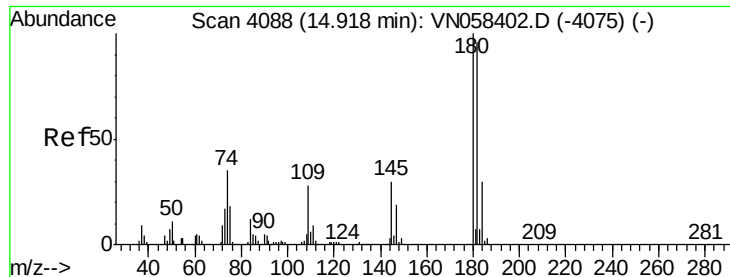
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.152 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058510.D
 Acq: 3 Oct 2019 15:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.2	39.2	117.6
157	91.1	48.7	146.1





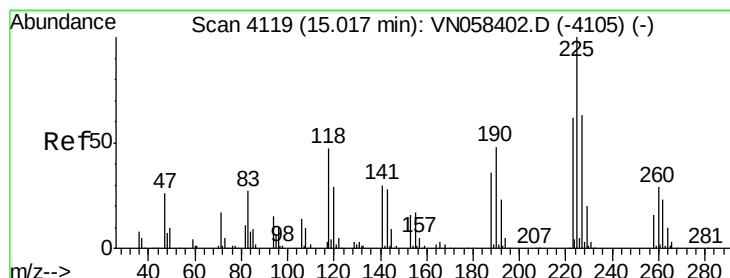
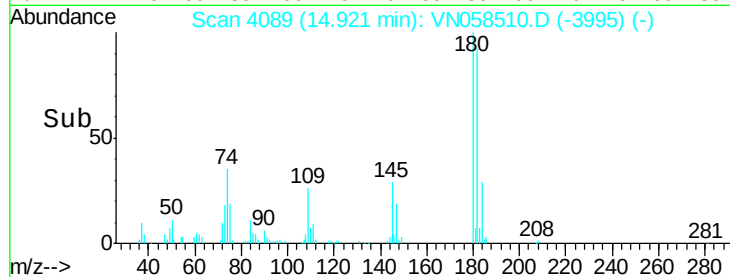
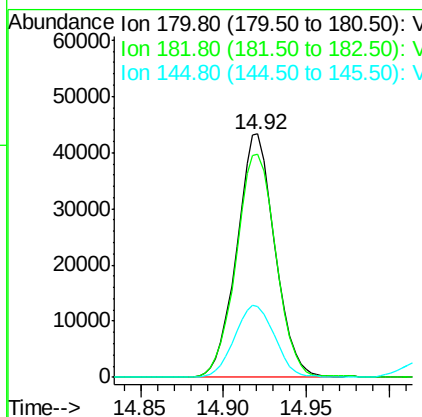
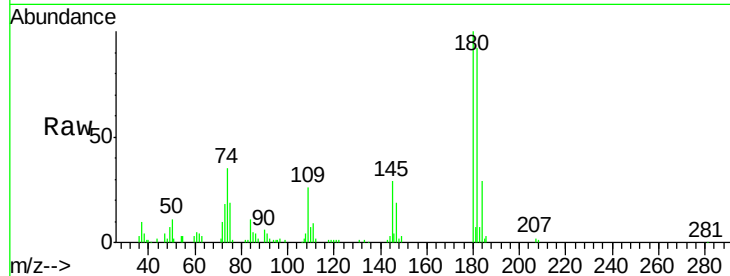
#93
1,2,4-Trichlorobenzene
Concen: 18.770 ug/l
RT: 14.92 min Scan# 4089
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	69100		
182	95.4	47.4	142.3	
145	31.1	15.3	45.9	

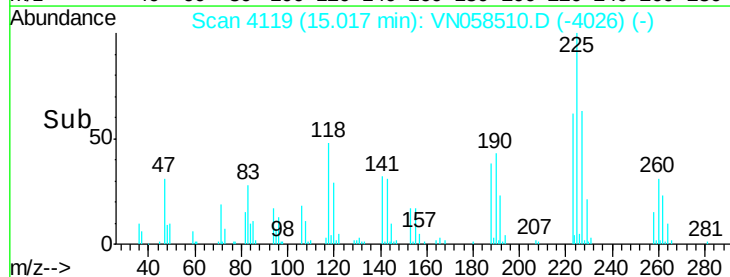
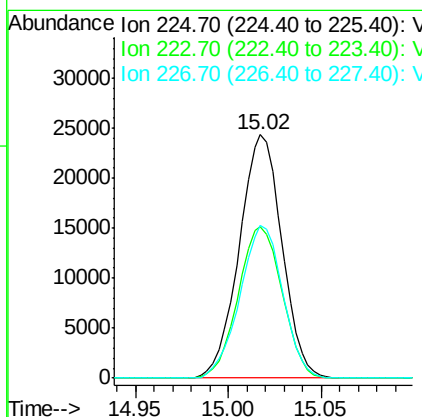
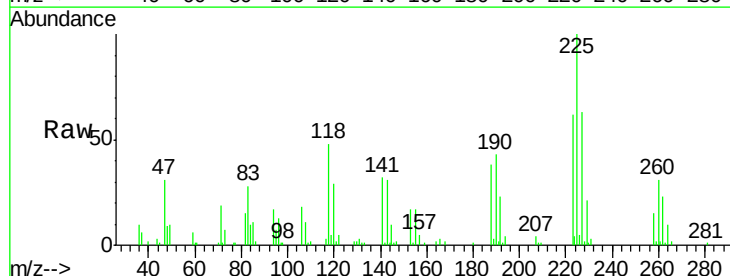
Manual Integrations
APPROVED

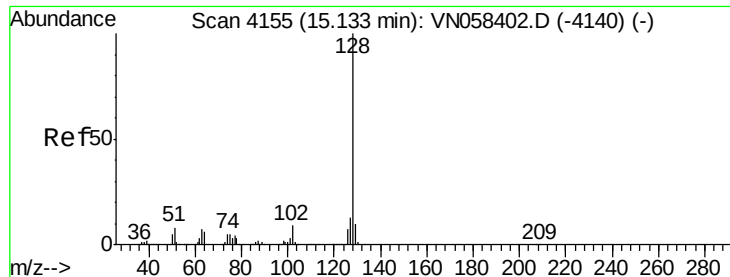
MMDadoda
10/4/2019 9:30:23 AM



#94
Hexachlorobutadiene
Concen: 20.538 ug/l
RT: 15.02 min Scan# 4119
Delta R.T. 0.00 min
Lab File: VN058510.D
Acq: 3 Oct 2019 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38862		
223	64.0	31.1	93.5	
227	63.1	31.4	94.2	





#95

Naphthalene

Concen: 17.198 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Instrument :

MSVOA_N

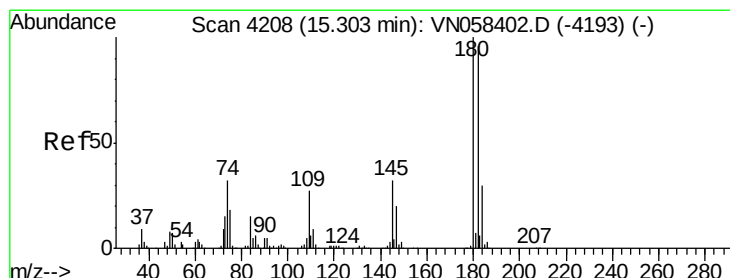
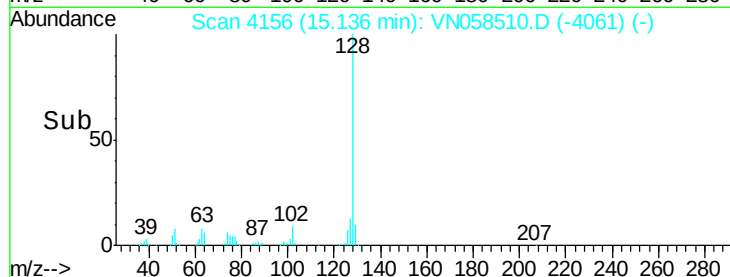
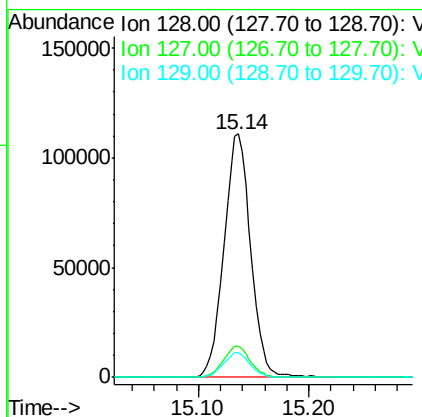
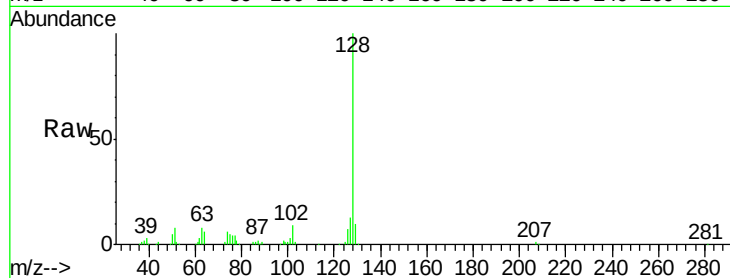
ClientSampleId :

VN1003WBSD01

Tot Ion:	128	Resp:	185616
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.2	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
10/4/2019 9:30:23 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.621 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058510.D

Acq: 3 Oct 2019 15:21

Tgt Ion:	180	Resp:	68784
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.3	144.9
145	32.7	16.1	48.3

